



BioSite **Histo**

# IHC Reagents & Kits

CE/IVD Certified

# BioSiteHisto

Nordic BioSite wants to make diagnostic work easier. For this purpose, we have selected a number of markers, which are frequently needed for diagnostics in the routine laboratory. We have selected antibodies with the characteristics that they work well for immunohistochemistry (IHC) and have adapted the format and size to meet the needs of most diagnostic laboratories.

In this catalogue, you will find the Nordic BioSite selection of CE/IVD certified antibodies for IHC. They have all been tested and approved for IHC on formalin-fixed paraffin-embedded tissue. The continuous control and the high lot-to-lot consistency make them ideal for diagnostic and routine use.

We provide them in a concentrated format in standard sizes of 0.5 ml and 1 ml. Most of the antibodies are also available in a 6 and 16 ml ready-to-use format. Other sizes are available upon request.

Standard storage is at 4°C and expiration date at least 1 year from reception.

For pretreatment and visualization we recommend our BioSiteHisto Plus Detection Systems and Reagents.

In addition, for our specially optimized pathology antibodies, Optibodies™, please see our separate folder.

## Ordering

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Orders may be placed by any of the following methods:

<b>Web:</b>	<a href="http://www.nordicbiosite.com">www.nordicbiosite.com</a>
<b>E-Mail:</b>	<a href="mailto:order@nordicbiosite.com">order@nordicbiosite.com</a>
<b>Phone:</b>	+46 (0)8-5444 33 40
<b>Other phone numbers:</b>	Norway 2396 0418, Denmark 8844 8801, Finland 020 7432 007, USA 484-534-3568
<b>Fax:</b>	+46 (0)8-756 94 90

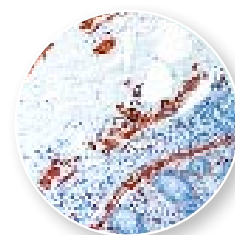


## Selected Immunohistochemistry Reagents for Formalin-Fixed Paraffin-Embedded Tissue Sections

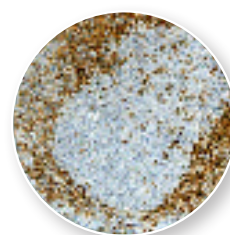
### Primary Antibodies

Nordic BioSite offers a broad range of diagnostic antibodies, many of them IVD/CE certified. Usually, all our diagnostic primary antibodies are available in concentrated and in ready-to-use format and are suitable for formalin-fixed, paraffin-embedded tissue sections.

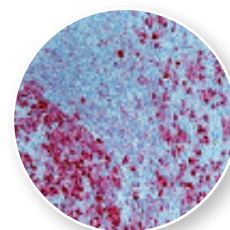
Description	S/R	Applications	Form	Size	Art No
<b>Actin alpha</b> (Smooth Muscle) * Clone: 1A4 Host: Mouse	HU, MS, RT	P	Ready-to-Use	6 ml	AIB-30001
				16 ml	AIB-30312
		P   IF	Concentrate	1 ml	AIB-30002
				0.5 ml	AIB-30003
<b>ALK/p80</b> * Clone: 5A4 Host: Mouse	HU	P	Concentrate	0,5 ml	AIB-30309
<b>Bcl-2</b> * Clone: E17 Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30004
			Concentrate	1 ml	AIB-30005
				0.5 ml	AIB-30006
<b>Bcl-2</b> Clone: bcl-2-100 Host: Mouse	HU	F   P	Ready-to-Use	16 ml	AIB-30318
<b>Bcl-6</b> * Clone: GI191E/A8 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-30007
			Concentrate	0.5 ml	AIB-30008
β-Catenin see Catenin (beta)					
<b>BOB.1</b> Clone: SP92 Host: Rabbit	HU	P	Ready-to-Use	7 ml	ARB-58572
			Concentrate	0.5 ml	ARB-58573
<b>C3d Complement factor</b> * Clone: polyclonal Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30236
			Concentrate	0.5 ml	AIB-30192
<b>C4d Complement factor</b> * Clone: A24-T Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-40016
			Concentrate	0.5 ml	AIB-40017
<b>CA 19-9</b> Clone: 121SLE Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30336
			Concentrate	0,5 ml	AIB-30340
<b>Calcitonin</b> Clone: SP17 Host: Rabbit	HU, MS, RT, DG, PG, HS, SH	F   P	Ready-to-Use	6 ml	ARB-30237
			Concentrate	1 ml	ARB-30193
				0.5 ml	ARB-30194



sm Actin (AIB-30002)  
on appendix (AEC)



Bcl-2 (AIB-30005)  
on tonsil (DAB)



BOB.1 (ARB-58573)  
on tonsil (DAB)

Species Reactivity (S/R): HU = Human, MS = Mouse, RT = Rat, RB = Rabbit, BV = Cow, PG = Pig, DG = Dog, GP = Guinea Pig, HS = Horse, SH = Sheep, HM = Hamster

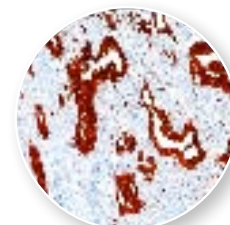
Applications: P = IHC on formalin-fixed paraffin-embedded tissue section, F = IHC on frozen sections, IF = immunofluorescence, IP = immunoprecipitation, WB = Western blot

\* CE/IVD certified



## Primary Antibodies (continued)

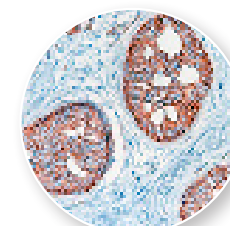
Description	S/R	Applications	Format	Size	Art No
<b>Caldesmon *</b> Clone: E89 Host: Rabbit	HU	P	Ready-to-Use	6 ml	AIB-30344
			Concentrate	0.5 ml	AIB-30349
<b>Calretinin *</b> Clone: polyclonal Host: Rabbit	HU, MS, RT	P	Ready-to-Use	6 ml	AIB-30009
				16 ml	AIB-30327
			Concentrate	1 ml	AIB-30010
				0.5 ml	AIB-30011
<b>Calponin *</b> Clone: EP7894 Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30345
			Concentrate	0,5 ml	AIB-30350
<b>Caspase-3, Cleaved (CPP32)</b> Clone: polyclonal Host: Rabbit	HU, MS, RT	P	Concentrate	0.5 ml	ARB-30012
<b>Cat Scratch Disease</b> Clone: H2A10 Host: Mouse	Bartonella henselae	F   P	Ready-to-Use	6 ml	ARB-30013
			Concentrate	0.5 ml	ARB-30014
<b>Catenin (beta)</b> Clone: polyclonal Host: Rabbit	HU	F   P   WB   IP	Concentrate	1 ml	ARB-58623
<b>CD1a *</b> Clone: EP3622 Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30251
			Concentrate	0.5 ml	AIB-30224
<b>CD3 (T-Cell) *</b> Clone: polyclonal Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30027
				16 ml	AIB-30332
			Concentrate	1 ml	AIB-30028
				0.5 ml	AIB-30029
<b>CD3 (T-Cell)</b> Clone: SP7 Host: Rabbit	BV, CK, DG, HU, RB, RT, PG	F   P	Ready-to-Use	6 ml	ARB-30242
			Concentrate	1 ml	ARB-30205
				0.5 ml	ARB-30206
<b>CD4*</b> Clone: SP35 Host: Rabbit	HU	F   P	Ready-to-Use	16 ml	AIB-30333
<b>CD5 (T-Cell)</b> Clone: SP19 Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	ARB-30243
			Concentrate	0.5 ml	ARB-30207
<b>CD8 (T-Cell cytotoxic/ suppressor) *</b> Clone: C8/144B Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30051
			Concentrate	1 ml	AIB-30052
				0.5 ml	AIB-30053
<b>CD8</b> Clone: SP16 Host: Rabbit	HU	F   P	Ready-to-Use	16 ml	AIB-30329



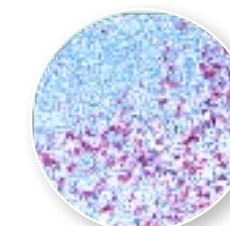
Calretinin (AIB-30010)  
on mesothelioma (AEC)



CD3 (AIB-30028)  
on tonsil (AEC)



β-Catenin (ARB-58623)  
on breast carcinoma (AEC)



CD8 (AIB-30052)  
on tonsil (perm. AP-Red)

Species Reactivity (S/R): HU = Human, MS = Mouse, RT = Rat, RB = Rabbit, BV = Cow, PG = Pig, DG = Dog, GP = Guinea Pig, HS = Horse, SH = Sheep, HM = Hamster

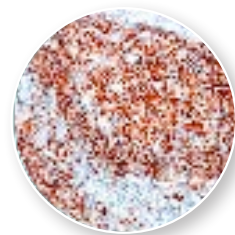
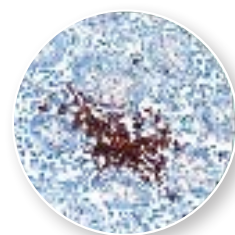
Applications: P = IHC on formalin-fixed paraffin-embedded tissue section, F = IHC on frozen sections,

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## Primary Antibodies (continued)

Description	S/R	Applications	Format	Size	Art No
<b>CD10 (CALLA) *</b> Clone: 56C6 Host: Mouse	HU, RT	F   P	Ready-to-Use	6 ml	AIB-30289
				16 ml	AIB-30323
			Concentrate	1 ml	AIB-30290
				0.5 ml	AIB-30291
<b>CD11C *</b> Clone: 5D11 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-30335
			Concentrate	0.5 ml	AIB-30339
<b>CD14 *</b> Clone: EPR3653 Host: Rabbit	HU	F   P	Concentrate	0.5 ml	AIB-30214
<b>CD15 *</b> Clone: Carb-3 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30020
				1 ml	AIB-30021
			Concentrate	0.5 ml	AIB-30022
<b>CD19</b> Clone: LE-CD19 Host: Mouse	HU	P	Concentrate	0.5 ml	ARB-30023
<b>CD20 (B-Cell) *</b> Clone: L26 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30024
				16 ml	AIB-30313
			Concentrate	1 ml	AIB-30025
				0.5 ml	AIB-30026
<b>CD20 (B-Cell)</b> Clone: SP32 Host: Rabbit	HU	P	Ready-to-Use	6 ml	ARB-30271
			Concentrate	1 ml	ARB-30263
				0.5 ml	ARB-30264
<b>CD21 *</b> Clone: EP3093 Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30238
			Concentrate	0.5 ml	AIB-30195
<b>CD30 (Ki-1) *</b> Clone: Ber-H2 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30030
			Concentrate	1 ml	AIB-30031
				0.5 ml	AIB-30032
<b>CD31 (PECAM-1)</b> Clone: JC70 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	ARB-30033
			Concentrate	1 ml	ARB-30034
				0.5 ml	ARB-30035
<b>CD31 (PECAM-1) *</b> Clone: JC70 Host: Mouse	HU	F   P	Ready-to-Use	16 ml	AIB-30324
<b>CD34 *</b> Clone: QBEnd/10 Host: Mouse	HU	F   P	Ready-to-Use	16 ml	AIB-30325

CD19 (ARB-30023)  
on tonsil (AEC)CD20 (AIB-30025)  
on colon (AEC)

Species Reactivity (S/R): HU = Human, MS = Mouse, RT = Rat, RB = Rabbit, BV = Cow, PG = Pig, DG = Dog,

GP = Guinea Pig, HS = Horse, SH = Sheep, HM = Hamster

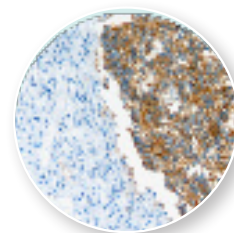
Applications: P = IHC on formalin-fixed paraffin-embedded tissue section, F = IHC on frozen sections,

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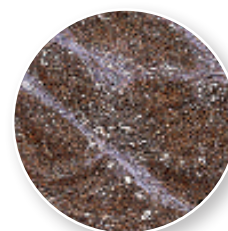
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## Primary Antibodies (continued)

Description	S/R	Applications	Format	Size	Art No
<b>CD43</b> (Leukosialin, Sialophorin) * Clone: DF-T1 Host: Mouse	HU, RT	F   P	Ready-to-Use	6 ml	AIB-30036
			Concentrate	1 ml	AIB-30037
				0.5 ml	AIB-30038
<b>CD45 (LCA) *</b> Clone: PD7/26 + 2B11 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30039
				16 ml	AIB-30326
			Concentrate	1 ml	AIB-30040
<b>CD56 (N-CAM, NKH1, SCLC) *</b> Clone: RCD56 Host: Rabbit	HU, MS, RT	F   P   WB	Ready-to-Use	6 ml	AIB-30267
			Concentrate	1 ml	AIB-30274
				0.5 ml	AIB-30275
				16 ml	AIB-30330
<b>CD61 *</b> Clone: 2f2 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30232
				1 ml	AIB-30184
			Concentrate	0.5 ml	AIB-30185
<b>CD68 (Macrosialin, Macrophage Antigen) *</b> Clone: KP1 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30045
			Concentrate	1 ml	AIB-30046
				0.5 ml	AIB-30047
<b>CD79a (B-Cell) *</b> Clone: JCB117 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30048
				16 ml	AIB-30314
			Concentrate	1 ml	AIB-30049
				0.5 ml	AIB-30050
<b>CD79a (B-Cell)</b> Clone: SP18 Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	ARB-30248
			Concentrate	1 ml	ARB-30216
				0.5 ml	ARB-30217
<b>CD117/c-kit</b> Clone: SP26 Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	ARB-30292
			Concentrate	1 ml	ARB-30293
				0.5 ml	ARB-30294
<b>CD138 (Syndecan-1) *</b> Clone: B-A38 Host: Mouse	HU, PG	F   P	Ready-to-Use	6 ml	AIB-30017
			Concentrate	1 ml	AIB-30018
				0.5 ml	AIB-30019



CD56 (AIB-30274)  
on malignant melanoma (DAB)



CD117 (ARB-30293)  
on GIST (DAB)

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GP = Guinea Pig, HS = Horse, SH = Sheep, HM = Hamster

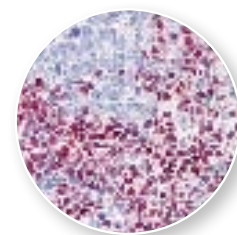
Applications: P = IHC on formalin-fixed paraffin-embedded tissue section, F = IHC on frozen sections,

IF = immunofluorescence, IP = immunoprecipitation, WB = Western blot

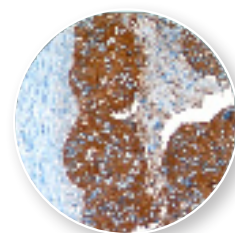
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## Primary Antibodies (continued)

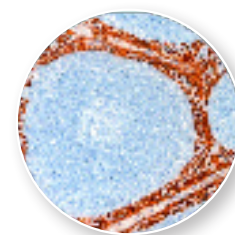
Description	S/R	Applications	Format	Size	Art No
<b>CDX2 *</b> Clone: EPR2764Y Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30285
				16 ml	AIB-30328
			Concentrate	1 ml	AIB-30283
				0.5 ml	AIB-30284
<b>CEA</b> (Carcinoembryonic Antigen, CD66e) * Clone: Col-1 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30057
				16 ml	AIB-30320
			Concentrate	1 ml	AIB-30058
				0.5 ml	AIB-30059
<b>Chromogranin A *</b> Clone: LK2H10 Host: Mouse	HU, PG	F   P	Ready-to-Use	6 ml	AIB-30060
				16 ml	AIB-30317
			Concentrate	1 ml	AIB-30061
				0.5 ml	AIB-30062
<b>Cyclin D1</b> Clone: SP4 Host: Rabbit	HU, MS, RT	F   P	Ready-to-Use	6 ml	AIB-30244
			Concentrate	0.5 ml	AIB-30208
<b>Cytokeratin Pan *</b> Clone: AE1 & AE3 Host: Mouse	HU, MS, RT, DG	F   P	Ready-to-Use	6 ml	AIB-30066
				16 ml	AIB-30315
			Concentrate	1 ml	AIB-30067
				0.5 ml	AIB-30068
<b>Cytokeratin Pan Plus *</b> Clone: AE1, AE3, 5D3 Host: Mouse	HU, MS, RT	P	Ready-to-Use	6 ml	AIB-40014
			Concentrate	0.5 ml	AIB-40015
<b>Cytokeratin HMW *</b> Clone: 34betaE12 Host: Mouse	HU, RB, DG	F   P	Ready-to-Use	6 ml	AIB-30063
				16 ml	AIB-56676
			Concentrate	1 ml	AIB-30064
				0.5 ml	AIB-30065
<b>Cytokeratin 5 &amp; 6 *</b> Clone: D5/16B4 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-30075
				16 ml	AIB-30316
			Concentrate	1 ml	AIB-30076
				0.5 ml	AIB-30077
<b>Cytokeratin 5 &amp; 14 *</b> Clone: XM26 + LL002 Host: Mouse	HU	F   P	Ready-to-Use	16 ml	AIB-30319
				6 ml	AIB-40020
			Concentrate	1 ml	AIB-40022
				0.5 ml	AIB-40021



Cyclin D1 (AIB-30208)  
on lymphoma (perm. AP Red)



CEA (AIB-30058)  
on colon carcinoma (DAB)



CK pan (AIB-30067)  
on tonsil (AEC)

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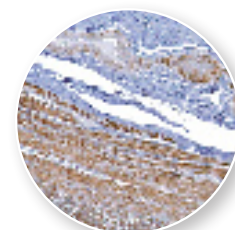
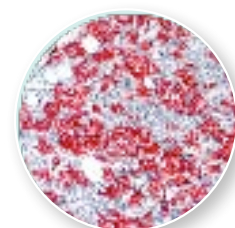
Applications: P = IHC on formalin-fixed paraffin-embedded tissue section, F = IHC on frozen sections,

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## Primary Antibodies (continued)

Description	S/R	Applications	Format	Size	Art No
<b>Cytokeratin 7 *</b> Clone: OV-TL 12/30 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30078
				16 ml	AIB-30321
			Concentrate	1 ml	AIB-30079
				0.5 ml	AIB-30080
<b>Cytokeratin 8 &amp; 18</b> Clone: IVT2000 (same as Cam5.2) Host: Mouse	HU	P	Ready-to-Use	6 ml	ARB-30081
			Concentrate	1 ml	ARB-30082
				0.5 ml	ARB-30083
<b>Cytokeratin 18</b> Clone: DC-10 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	ARB-30069
			Concentrate	1 ml	ARB-30070
				0.5 ml	ARB-30071
<b>Cytokeratin 19 *</b> Clone: A53-B/A2.26 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30072
			Concentrate	1 ml	AIB-30073
				0.5 ml	AIB-30074
<b>Cytokeratin 20 *</b> Clone: KS 20.8 Host: Mouse	HU	P	Ready-to-Use	16 ml	AIB-30322
<b>Desmin *</b> Clone: D33 Host: Mouse	HU, MS, RT	F   P	Ready-to-Use	6 ml	AIB-30084
				16 ml	AIB-56670
			Concentrate	1 ml	AIB-30085
				0.5 ml	AIB-30086
<b>E-Cadherin *</b> Clone: ECH-6 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-30087
			Concentrate	1 ml	AIB-30088
				0.5 ml	AIB-30089
<b>E-Cadherin *</b> Clone: EP700Y Host: Rabbit	HU	F   P	Ready-to-Use	16 ml	AIB-56710
				6 ml	AIB-30254
			Concentrate	1 ml	AIB-30228
				0.5 ml	AIB-30227
<b>EGFr (Epidermal Growth Factor Receptor, c-erbB-1, HER1) *</b> Clone: 2.1E1 Host: Mouse	HU	P	Concentrate	0.5 ml	ARB-58467
<b>EMA (Epithelial Membrane Antigen) *</b> Clone: E29 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-30093
			Concentrate	1 ml	AIB-30094
				0.5 ml	AIB-30095

Desmin (AIB-30085)  
on appendix (DAB)E-Cadherin (AIB-30088) on  
breast carcinoma  
(perm. AP-Red)

Species Reactivity (S/R): HU = Human, MS = Mouse, RT = Rat, RB = Rabbit, BV = Cow, PG = Pig, DG = Dog,

GP = Guinea Pig, HS = Horse, SH = Sheep, HM = Hamster

Applications: P = IHC on formalin-fixed paraffin-embedded tissue section, F = IHC on frozen sections,

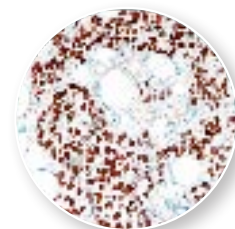
IF = immunofluorescence, IP = immunoprecipitation, WB = Western blot

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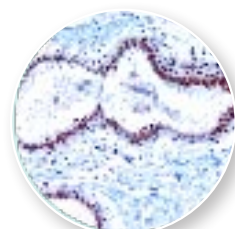


## Primary Antibodies (continued)

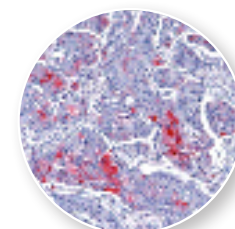
Description	S/R	Applications	Format	Size	Art No
<b>Ep-CAM *</b> Clone: Ber-EP4 Host: Mouse	HU	P	Ready-to-Use	16 ml	AIB-56692
<b>Ep-CAM (ESA) *</b> Clone: MOC-31 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30096
			Concentrate	1 ml	AIB-30097
				0.5 ml	AIB-30098
<b>ERG *</b> Clone: 9FY Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30308
			Concentrate	0.5 ml	AIB-30307
<b>Estrogen Receptor *</b> Clone: 1D5 Host: Mouse	HU, MS, RT, DG, PG	F   P	Ready-to-Use	6 ml	AIB-30099
				16 ml	AIB-56671
			Concentrate	1 ml	AIB-30100
				0.5 ml	AIB-30101
<b>Estrogen Receptor *</b> Clone: SP1 Host: Rabbit	HU	P	Ready-to-Use	16 ml	AIB-40034
				6 ml	AIB-56721
			Concentrate	1 ml	AIB-56723
<b>Estrogen Receptor beta</b> Clone: PPG5/10 Host: Mouse	HU	F   P	Concentrate	0.5 ml	ARB-30102
<b>Factor XIIIa</b> (Fibrinolygase, Plasma Transglutaminase) * Clone: EP3372 Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30255
			Concentrate	1 ml	AIB-30230
				0.5 ml	AIB-30229
<b>GATA3 *</b> Clone: L50-823 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-40023
			Concentrate	0.5 ml	AIB-40024
<b>GCDFP-15</b> (Gross Cystic Disease Fluid Protein 15) * Clone: EP1582Y	HU	F   P	Ready-to-Use	6 ml	AIB-30295
			Concentrate	0.5 ml	AIB-30296
<b>GFAP</b> (Glial Fibrillary Acidic Protein) * Clone: EP672Y Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30239
			Concentrate	1 ml	AIB-30197
				0.5 ml	AIB-30196
<b>GLUT1 *</b> Clone: polyclonal Host: Rabbit	HU	P	Ready-to-Use	16 ml	AIB-56712
<b>Glypican-3 *</b> Clone: 1G12 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30106
			Concentrate	0.5 ml	AIB-30107



Estrogen Receptor (AIB-30100)  
on breast carcinoma (AEC)



ERβ (ARB-30102)  
on breast carcinoma (AEC)



GCDFP-15 (AIB-30296)  
on breast carcinoma (perm. AP Red)

Species Reactivity (S/R): HU = Human, MS = Mouse, RT = Rat, RB = Rabbit, BV = Cow, PG = Pig, DG = Dog, GP = Guinea Pig, HS = Horse, SH = Sheep, HM = Hamster

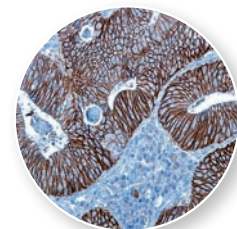
Applications: P = IHC on formalin-fixed paraffin-embedded tissue section, F = IHC on frozen sections,

IF = immunofluorescence, IP = immunoprecipitation, WB = Western blot

\* CE/IVD certified

## Primary Antibodies (continued)

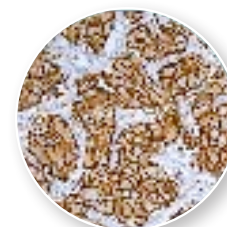
Description	S/R	Applications	Format	Size	Art No
<b>Helicobacter pylori *</b> Clone: polyclonal Host: Rabbit	Helicobacter pylori	F   P	Ready-to-Use	6 ml	AIB-30108
				16 ml	AIB-56700
			Concentrate	1 ml	AIB-30109
				0.5 ml	AIB-30110
<b>Hemoglobin A *</b> Clone: EPR3608 Host: Rabbit	HU	F   P	Concentrate	0.5 ml	AIB-30198
<b>HER2 (c-erbB-2) *</b> <b>Intracellular domain</b> Clone: CB11 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30114
				16 ml	AIB-56675
			Concentrate	1 ml	AIB-30115
				0.5 ml	AIB-30116
<b>HER2 (c-erbB-2)</b> <b>Extracellular domain</b> Clone: SP3 Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	ARB-30245
			Concentrate	1 ml	ARB-30209
				0.5 ml	ARB-30210
<b>HER2 (c-erbB2) Extracellular domain *</b> Clone: TAB250 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-30111
			Concentrate	0.5 ml	AIB-30113
				1 ml	AIB-30112
<b>HER2easy Kit</b> (Complete kit for Her2 staining including antibody clone CB11, wash buffer, pre-treatment solution, HRP One-Step polymer, DAB) * Clone: CB11 Host: Mouse	HU	P	Ready-to-Use	1 Kit (6 ml / 60 tests)	BCB-20054
<b>HGAL *</b> Clone: MRQ-49 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-30277
			Concentrate	0.5 ml	AIB-30278
<b>HHV8 (Human Herpes Virus 8)</b> Clone: 13B10 Host: Mouse	Human Herpes Virus 8	F   P	Ready-to-Use	6 ml	AIB-30279
			Concentrate	0.5 ml	AIB-30280
<b>IgG4, Human *</b> Clone: ZSIGG4 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30225
<b>INI-1 *</b> Clone: ZSI1 (MRQ-27) Host: Mouse	HU	F   P	Concentrate	0.5 ml	AIB-30215



HER2 (ARB-30210) on stomach carcinoma (DAB)



HER2 (ARB-30209) on breast carcinoma (perm. AP Red)



HER2easy (BCB-20054) on breast carcinoma

Species Reactivity (S/R): HU = Human, MS = Mouse, RT = Rat, RB = Rabbit, BV = Cow, PG = Pig, DG = Dog,

GP = Guinea Pig, HS = Horse, SH = Sheep, HM = Hamster

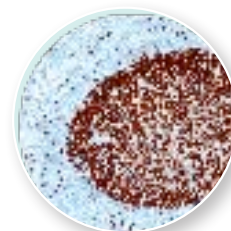
Applications: P = IHC on formalin-fixed paraffin-embedded tissue section, F = IHC on frozen sections,

IF = immunofluorescence, IP = immunoprecipitation, WB = Western blot

\* CE/IVD certified

## Primary Antibodies (continued)

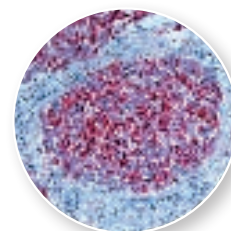
Description	S/R	Applications	Format	Size	Art No			
<b>Ki-67 *</b> Clone: SP6 Host: Rabbit	HU, MS, RT, DG, PG	F   P	Ready-to-Use	6 ml	AIB-30246			
				16 ml	AIB-30331			
			Concentrate	1 ml	AIB-30211			
				0.5 ml	AIB-30212			
<b>Ki-67 *</b> Clone: K-2 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30117			
				Concentrate	1 ml	AIB-30118		
			0.5 ml		AIB-30119			
			<b>Ksp-Cadherin *</b> Clone: ZSCA1 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-30120
Concentrate	1 ml	AIB-30122						
	0.5 ml	AIB-30121						
<b>Langerin *</b> Clone: 12D6 Host: Mouse	HU	P				Ready-to-Use	6 ml	AIB-40025
			Concentrate	0.5 ml	AIB-40026			
				Lymphatic Endothelium Marker see Podoplanin				
			<b>LYVE-1</b> Clone: polyclonal Host: Rabbit	HU	F   P	Concentrate	0.5 ml	ARB-30126
<b>MAdL</b> (Marker for Adenocarci- nomas of the lung) Clone: MAdL Host: Mouse	HU	P	Concentrate	0.5 ml	AIB-30301			
<b>Mammaglobin *</b> Clone: 31A5 Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30247			
			Concentrate	0.5 ml	ARB-30213			
<b>Mammaglobin</b> Clone: polyclonal Host: Rabbit	HU	P	Concentrate	0.5 ml	ARB-30127			
<b>MART-1</b> (Melan-A) * Clone: M2-7C10 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30128			
				Concentrate	1 ml	AIB-30129		
			0.5 ml		AIB-30130			
			<b>Melanoma</b> (HMB45) * Clone: HMB45 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30131
16 ml	AIB-56672							
Concentrate	1 ml	AIB-30132						
	0.5 ml	AIB-30133						
<b>Melanoma Associated Antigen KBA.62 *</b> Clone: KBA.62	HU	F   P	Ready-to-Use	6 ml	AIB-30240			
			Concentrate	0.5 ml	AIB-30199			
<b>Melanoma Associated Antigen PNL2 *</b> Clone: PNL2 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30241			
			Concentrate	0.5 ml	AIB-30200			



Ki67 (AIB-30118)  
on tonsil (DAB)



Ksp-Cadherin (AIB-30121)  
on kidney (DAB)



Melanoma (AIB-30132)  
on malignant melanoma (AEC)

Species Reactivity (S/R): HU = Human, MS = Mouse, RT = Rat, RB = Rabbit, BV = Cow, PG = Pig, DG = Dog,

GP = Guinea Pig, HS = Horse, SH = Sheep, HM = Hamster

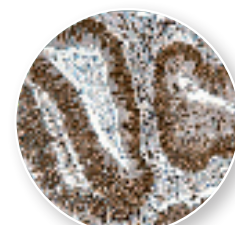
Applications: P = IHC on formalin-fixed paraffin-embedded tissue section, F = IHC on frozen sections,

IF = immunofluorescence, IP = immunoprecipitation, WB = Western blot

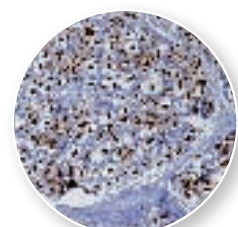
\* CE/IVD certified

## Primary Antibodies (continued)

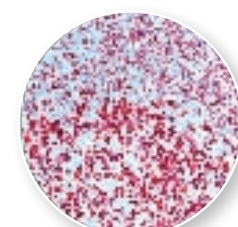
Description	S/R	Applications	Format	Size	Art No
<b>MLH1</b> (including Antibody Diluent B) * Clone: G168-15	HU, MS	F   P	Ready-to-Use	16 ml	AIB-56685
			Concentrate	0.5 ml	AIB-30134
<b>MSH2</b> * Clone: FE11 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30135
				16 ml	AIB-56686
			Concentrate	0.5 ml	AIB-30136
<b>MSH6</b> Clone: SPM525 Host: Mouse	HU	F   P	Ready-to-Use	7 ml	ARB-59353
			Concentrate	1 ml	ARB-59352
				0.5 ml	ARB-59351
<b>Myosin SM Heavy Chain</b> * Clone: SMMS-1 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30201
			Concentrate	0.5 ml	AIB-30202
<b>Napsin A</b> * Clone: BC15 Host: Rabbit	HU, MS, RT, DG, SH	P	Ready-to-Use	6 ml	AIB-40027
			Concentrate	0.5 ml	AIB-40028
<b>Neurofilament L + H (70/200kD)</b> * Clone: 2F11 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30137
			Concentrate	1 ml	AIB-30138
				0.5 ml	AIB-30139
<b>Oct-2</b> (Octamer-binding Transcription Factor 2) * Clone: ZS02 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-30272
			Concentrate	0.5 ml	AIB-30265
<b>Oct-4</b> (Octamer-binding Transcription Factor 4) Clone: polyclonal Host: Rabbit	HU	F   P	Concentrate	0.5 ml	ARB-30297
<b>p40 (ΔNp63)</b> * Clone: BC28 Host: Mouse	HU	P	Ready-to-Use	16 ml	AIB-40004
				6 ml	AIB-40007
			Concentrate	1 ml	AIB-40006
				0.5 ml	AIB-40005
<b>p40 (ΔNp63)</b> * Clone: polyclonal Host: Rabbit	HU	P	Ready-to-Use	6 ml	AIB-40009
			Concentrate	0.5 ml	AIB-40008
<b>p53</b> * Clone: BP53-12 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30141
			Concentrate	1 ml	AIB-30142
				0.5 ml	AIB-30143
<b>p63</b> Clone: 4A4 Host: Mouse	HU	P	Ready-to-Use	16 ml	ARB-56695
			Concentrate	1 ml	ARB-30186
				0.5 ml	ARB-30187



MLH-1 (AIB-30134)  
on colon carcinoma (DAB)



Neurofilament (AIB-30138)  
on nerve tissue (DAB)



Oct-2 (AIB-30265)  
on tonsil (perm. AP Red)

Species Reactivity (S/R): HU = Human, MS = Mouse, RT = Rat, RB = Rabbit, BV = Cow, PG = Pig, DG = Dog,

GP = Guinea Pig, HS = Horse, SH = Sheep, HM = Hamster

Applications: P = IHC on formalin-fixed paraffin-embedded tissue section, F = IHC on frozen sections,

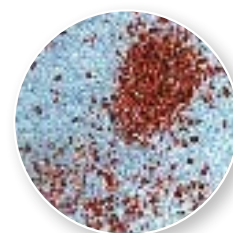
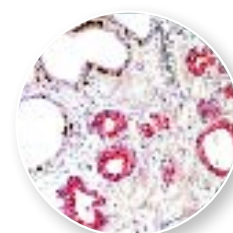
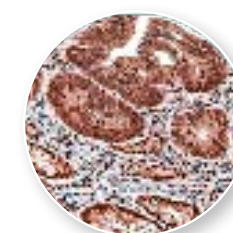
IF = immunofluorescence, IP = immunoprecipitation, WB = Western blot

\* CE/IVD certified



## Primary Antibodies (continued)

Description	S/R	Applications	Format	Size	Art No
<b>p120</b> , Catenin (delta) Clone: SP63 Host: Rabbit	HU	P	Ready-to-Use	7 ml	ARB-58464
			Concentrate	1 ml	ARB-58466
				0.5 ml	ARB-58465
<b>P504S</b> (AMACR) Clone: polyclonal Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	ARB-40013
				16 ml	ARB-40010
			Concentrate	1 ml	ARB-30222
				0.5 ml	ARB-30223
<b>pan Basalcell-Cocktail</b> (p63 & Cytokeratin 5/14) Clone: Y4A3 & XM26 & LL002 Host: Mouse	HU	P	Ready-to-Use	6 ml	ARB-56716
			Concentrate	1 ml	ARB-56714
				0.5 ml	ARB-56715
<b>pan B-Cocktail</b> (CD20 & PAX-5) Clone: L26 & polyclonal Host: Mouse+Rabbit	HU	P	Ready-to-Use	6 ml	ARB-30149
				16 ml	ARB-56682
			Concentrate	1 ml	ARB-30147
				0.5 ml	ARB-30148
<b>Parathyroid Hormone (PTH) *</b> Clone: ZSPT Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30249
			Concentrate	1 ml	AIB-30220
				0.5 ml	AIB-30219
<b>PAX-5</b> Clone: polyclonal Host: Rabbit	HU, MS, RT	F   P	Ready-to-Use	6 ml	ARB-30151
			Concentrate	1 ml	ARB-30152
				0.5 ml	ARB-30153
<b>PAX-5 *</b> Clone: polyclonal Host: Rabbit	HU, MS, RT	F   WB	Ready-to-Use	16 ml	AIB-56697
<b>PAX-8 *</b> Clone: polyclonal Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30234
			Concentrate	0.5 ml	AIB-30190
<b>PD-1</b> (CD279) Clone: Polyclonal Host: Rabbit	HU	F   P	Ready-to-Use	7 ml	ARB-59493
			Concentrate	0.5 ml	ARB-59494
<b>PIN Cocktail</b> (P504S+p63) Clone: 4A4+polyclonal Host: Mouse+Rabbit	HU	P	Ready-to-Use	6 ml	ARB-30154
			Concentrate	1 ml	ARB-30204
				0.5 ml	ARB-30203
<b>PLAP</b> (Placental Alkaline Phosphatase) Clone: SP15 Host: Rabbit	HU	P	Ready-to-Use	6 ml	ARB-56722
			Concentrate	1 ml	ARB-56726
				0.5 ml	ARB-58468
<b>PMS2</b> Clone: A-16-4 Host: Mouse	HU, MS	P	Concentrate	0.5 ml	ARB-30158

pan B-cocktail (ARB-30147)  
on tonsil (AEC)Pax-5 (ARB-30152)  
on tonsil (AEC)PIN-Cocktail (ARB-30154) on  
prostate carcinoma (AEC and perm.  
AP-Red)PMS2 (ARB-30158)  
on colon carcinoma (AEC)

Species Reactivity (S/R): HU = Human, MS = Mouse, RT = Rat, RB = Rabbit, BV = Cow, PG = Pig, DG = Dog,

GP = Guinea Pig, HS = Horse, SH = Sheep, HM = Hamster

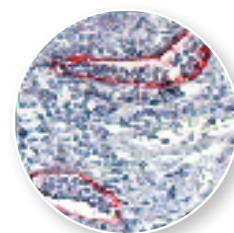
Applications: P = IHC on formalin-fixed paraffin-embedded tissue section, F = IHC on frozen sections,

IF = immunofluorescence, IP = immunoprecipitation, WB = Western blot

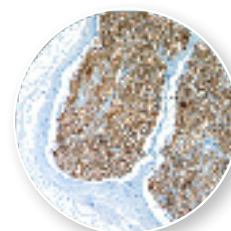
\* CE/IVD certified

## Primary Antibodies (continued)

Description	S/R	Applications	Format	Size	Art No
<b>PMS2 *</b> Clone: EPR3947 Host: Rabbit	HU	P	Ready-to-Use	6 ml	AIB-30268
<b>Podoplanin *</b> Clone: D2-40 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-30123
			Concentrate	1 ml	AIB-30124
				0.5 ml	AIB-30125
<b>Progesterone Receptor *</b> Clone: PR-1 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30159
			Concentrate	1 ml	AIB-30160
				0.5 ml	AIB-30161
<b>Progesterone Receptor *</b> Clone: SP42 Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30288
				16 ml	AIB-56704
			Concentrate	1 ml	AIB-30286
				0.5 ml	AIB-30287
<b>PSA (Prostate Specific Anti-gen)</b> Clone: ER-PR8 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	ARB-30162
		F   P   WB	Concentrate	1 ml	ARB-30163
				0.5 ml	ARB-30164
<b>PU.1 *</b> Clone: EPR3158Y Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30256
			Concentrate	0.5 ml	AIB-30231
<b>S100 *</b> Clone: 4C4.9 Host: Mouse	HU, MS, RT, BV	P	Ready-to-Use	6 ml	AIB-30165
				16 ml	AIB-56674
			Concentrate	1 ml	AIB-30166
				0.5 ml	AIB-30167
<b>S100P (Placental S100)</b> Clone: 16/f5 Host: Mouse	HU	F   P	Ready-to-Use	6 ml	AIB-30281
			Concentrate	0.5 ml	AIB-30282
<b>SALL4</b> Clone: monoclonal Host: Mouse	HU	P	Concentrate	0.5 ml	ARB-30261
<b>Somatostatin Receptor 2A (SSTR2A)</b> Clone: polyclonal Host: Rabbit	HU, MS, RT	P	Concentrate	0.5 ml	ARB-30258
<b>Somatostatin Receptor 5 (SSTR5)</b> Clone: polyclonal Host: Rabbit	HU, MS, RT	P	Concentrate	0.5 ml	AIB-30257



Podoplanin/D2-40 (AIB-30124)  
on tonsil (perm AP-Red)



S-100 (AIB-30166)  
on nerve tissue (DAB)

Species Reactivity (S/R): HU = Human, MS = Mouse, RT = Rat, RB = Rabbit, BV = Cow, PG = Pig, DG = Dog,

GP = Guinea Pig, HS = Horse, SH = Sheep, HM = Hamster

Applications: P = IHC on formalin-fixed paraffin-embedded tissue section, F = IHC on frozen sections,

IF = immunofluorescence, IP = immunoprecipitation, WB = Western blot

\* CE/IVD certified

## Primary Antibodies (continued)

Description	S/R	Applications	Format	Size	Art No
<b>SOX10 *</b> Clone: polyclonal Host: Rabbit	HU	P	Ready-to-Use	6 ml	AIB-30311
			Concentrate	0,5 ml	AIB-30310
<b>SOX11 *</b> Clone: ZSX11 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-30337
			Concentrate	0,5 ml	AIB-30341
<b>Synaptophysin *</b> Clone: polyclonal Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30168
			Concentrate	1 ml	AIB-30169
				0.5 ml	AIB-30170
<b>T-bet *</b> Clone: ZSTB Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30235
			Concentrate	0,5 ml	AIB-30191
<b>TDT</b> (Terminal Desoxynucleotidyl Transferase) * Clone: polyclonal Host: Rabbit	HU	F   P	Ready-to-Use	6 ml	AIB-30233
			Concentrate	1 ml	AIB-30188
				0.5 ml	AIB-30189
<b>Thyroglobulin *</b> Clone: 2H11 + 6E1 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-30171
			Concentrate	1 ml	AIB-30172
				0.5 ml	AIB-30173
<b>TTF-1</b> (Thyroid Transcription Factor 1) * Clone: 8G7G3/1 Host: Mouse	HU, RT	F   P	Ready-to-Use	6 ml	AIB-30174
				16 ml	AIB-56677
			Concentrate	1 ml	AIB-30175
				0.5 ml	AIB-30176
<b>TTF-1 + Cytokeratin 5/6 Cocktail</b> Clone: 8G7G3/1 & D5/16B4 Host: Mouse	HU	P	Ready-to-Use	6 ml	ARB-30179
			Concentrate	1 ml	ARB-30177
				0.5 ml	ARB-30178
<b>Uroplakin II *</b> Clone: BC21 Host: Mouse	HU	P	Ready-to-Use	6 ml	AIB-40032
			Concentrate	0.5 ml	AIB-40033
<b>Uroplakin III</b> Clone: AU1 Host: Mouse	HU, RT, BV, PG	WB   P	Concentrate	0.5 ml	AIB-30180
<b>Vimentin *</b> Clone: V9 Host: Mouse	HU, MS, RT, DG, PG	F   P	Ready-to-Use	6 ml	AIB-30181
				16 ml	AIB-56673
			Concentrate	1 ml	AIB-30182
				0.5 ml	AIB-30183

Species Reactivity (S/R): HU = Human, MS = Mouse, RT = Rat, RB = Rabbit, BV = Cow, PG = Pig, DG = Dog,

GP = Guinea Pig, HS = Horse, SH = Sheep, HM = Hamster

Applications: P = IHC on formalin-fixed paraffin-embedded tissue section, F = IHC on frozen sections,

IF = immunofluorescence, IP = immunoprecipitation, WB = Western blot

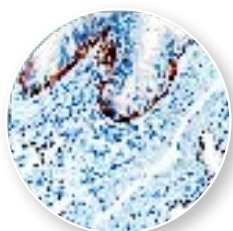
\* CE/IVD certified



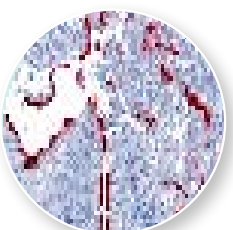
Synaptophysin (AIB-30169) on NET (perm. AEC)



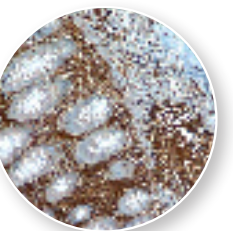
TTF-1 (AIB-30175) on metastasizing lung carcinoma (AEC)



TTF-1+CK5/6 (ARB-30177) on lung adenocarcinoma (AEC)



Uroplakin III (AIB-30180) on urothelial epithelium (perm. AP-Red)



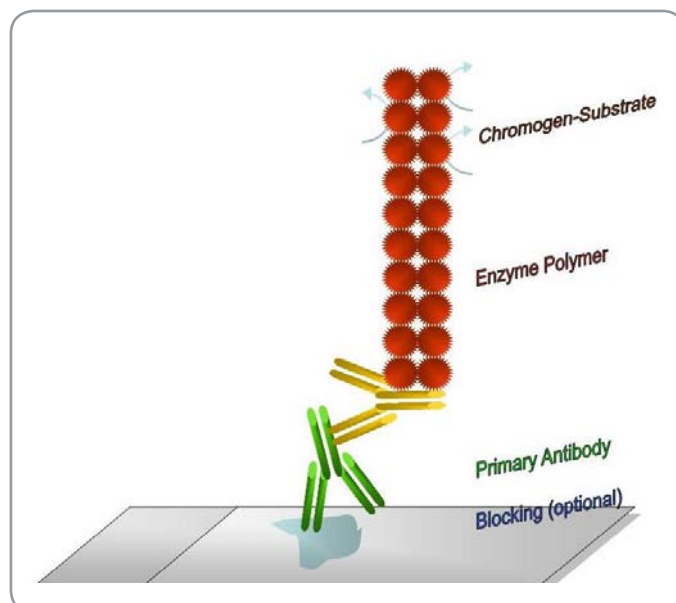
Vimentin (AIB-30182) on appendix (DAB)

## Detection Systems

BioSite Histo Plus detection systems are characterised by outstanding sensitivity and are recommended for use in both automated and manual immunohistochemistry. BioSite Histo Plus reagents are mainly IVD/CE certified. You can choose between polymer systems and streptavidin-biotin systems. Both kit systems are available with alkaline phosphatase (AP) or horseradish peroxidase (HRP).

### BioSite Histo Plus Polymer Detection Systems (High Sensitivity)

Our BioSite Histo Plus Polymer Kits provide high sensitivity and ready-to-use reagents. Since the enzyme is directly linked to a polymer, background staining due to endogenous biotin is avoided. Perfectly synchronized components guarantee brilliant staining results. You can choose between alkaline phosphatase or horseradish peroxidase kit systems.



#### HRP Polymer Detection Reagents

Description	Components	Size	Art No
<b>BioSite Histo Plus (AP) Polymer Kit anti Mouse/Rabbit *</b>	Ready-to-use Protein Block, Post Block, AP-Polymer	1 Kit (6 ml/60 tests)	KDB-10001
		1 Kit (100 ml/1000 tests)	KDB-10002
<b>BioSite Histo Fast (AP) One-Step Polymer anti-Mouse/Rabbit/Rat*</b>	Ready-to-use AP Polymer	6 ml/60 tests	KDB-10048
		100 ml/1000 tests	KDB-10047
<b>BioSite Histo Plus (AP) Polymer anti-Rabbit *</b>	Ready-to-use AP Polymer	6 ml/60 tests	KDB-10010

#### AP Polymer Detection Reagents

Description	Components	Size	Art No
<b>BioSite Histo Plus (HRP) Polymer Kit anti Mouse/Rabbit *</b>	Ready-to-use Protein Block, Post Block, HRP-Polymer	1 Kit (6 ml/60 tests)	KDB-10003
		1 Kit (100 ml/1000 tests)	KDB-10004
<b>BioSite Histo Plus (HRP) One-Step Polymer anti-Mouse/Rabbit/Rat *</b>	Ready-to-use HRP Polymer	6 ml/60 tests	KDB-10008
		100 ml/1000 tests	KDB-10009
<b>BioSite Histo Plus (HRP) Polymer anti-Mouse*</b>	Ready-to-use HRP Polymer	6 ml/60 tests	KDB-10006
		100 ml/1000 tests	KDB-10007
<b>BioSite Histo Plus (HRP) Polymer anti-Rabbit *</b>	Ready-to-use HRP Polymer	6 ml/60 tests	KDB-10045
		100 ml/1000 tests	KDB-10046
<b>BioSite Histo Plus (AP) Polymer anti-mouse</b>	Ready-to-use HRP Polymer	6 ml/60 tests	KDB-30302
		100 ml/1000 tests	KDB-30303

#### Double Stain Polymer Detection Kit

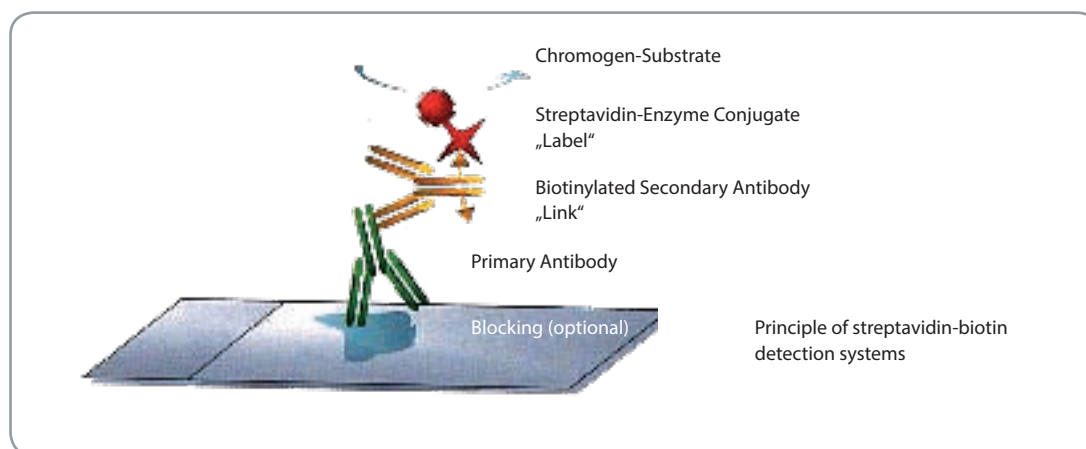
Description	Components	Size	Art No
<b>BioSite Histo Plus Double Stain Polymer Kit</b>	HRP Polymer anti Mouse (50 X Concentrate), AP Polymer anti Rabbit (Ready-to-use)	1 Kit (6 ml/60 tests)	KDB-10005
		1 Kit (100 ml/1000 tests)	KDB-20059
<b>BioSite Histo 2-step Double Stain Polymer Kit</b>		1 Kit (2x6 ml/60 tests)	KDB-20057
		1 Kit (2x100 ml/1000 tests)	KDB-20058

\* CE/IVD certified



## BioSite Histo Plus Streptavidin-Biotin Detection Systems (High Sensitivity)

BioSite Histo Plus Streptavidin-Biotin kits with high sensitivity are available with different secondary antibodies, either broad spectrum or species specific directed against mouse or rabbit. Choose one of four different kit sizes according to your demand. 80 test kits include the chromogenic substrate. Alkaline phosphatase (AP) and horseradish peroxidase (HRP) kit systems are available. All BioSite Histo Plus Streptavidin-Biotin kits are IVD/CE certified!



### HRP Streptavidin-Biotin Detection Reagents (High Sensitivity)

Description	Components	Size	Art No
<b>BioSite Histo Plus (HRP) Broad Spectrum (AEC) Kit *</b>	Peroxide Block, Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, HRP-conjugate, 2 component AEC	1 Kit (8 ml/80 tests)	KDB-10015
<b>BioSite Histo Plus (HRP) Broad Spectrum (DAB) Kit *</b>	Peroxide Block, Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, HRP-conjugate, 2 component DAB	1 Kit (8 ml/80 tests)	KDB-10016
<b>BioSite Histo Plus (HRP) Broad Spectrum Kit *</b>	Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, HRP-conjugate	1 Kit (60 ml/600 tests)	KDB-10019
		1 Kit (125 ml/1250 tests)	KDB-10017
		1 Kit (500 ml/5000 tests)	KDB-10018
<b>BioSite Histo Plus (HRP) Anti-Mouse (AEC) Kit *</b>	Peroxide Block, Protein Block, Sec. Antibody anti-Mouse, HRP-conjugate, 2 component AEC	1 Kit (8 ml/80 tests)	KDB-10024
<b>BioSite Histo Plus (HRP) Anti-Mouse (DAB) Kit *</b>	Peroxide Block, Protein Block, Sec. Antibody anti-Mouse, HRP-conjugate, 2 component DAB	1 Kit (8 ml/80 tests)	KDB-10025
<b>BioSite Histo Plus (HRP) Anti-Mouse Kit *</b>	Protein Block, Sec. Antibody anti-Mouse, HRP-conjugate	1 Kit (6 ml/60 tests)	KDB-10028
		1 Kit (125 ml/1250 tests)	KDB-10026
		1 Kit (500 ml/5000 tests)	KDB-10027
<b>BioSite Histo Plus (HRP) Anti-Rabbit (AEC) Kit *</b>	Peroxide Block, Protein Block, Sec. Antibody anti-Rabbit, HRP-conjugate, 2 component AEC	1 Kit (8 ml/80 tests)	KDB-10033
<b>BioSite Histo Plus (HRP) Anti-Rabbit (DAB) Kit *</b>	Peroxide Block, Protein Block, Sec. Antibody anti-Rabbit, HRP-conjugate, 2 component DAB	1 Kit (8 ml/80 tests)	KDB-10034
<b>BioSite Histo Plus (HRP) Anti-Rabbit Kit *</b>	Protein Block, Sec. Antibody anti-Rabbit, HRP-conjugate	1 Kit (60 ml/600 tests)	KDB-10037
		1 Kit (125 ml/1250 tests)	KDB-10035
		1 Kit (500 ml/5000 tests)	KDB-10036

\* CE/IVD certified

**AP Streptavidin-Biotin Detection Reagents (High Sensitivity)**

Description	Components	Size	Art No
<b>BioSite Histo Plus (AP) Broad Spectrum (Fast Red) Kit *</b>	Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, AP-conjugate, 2 component Fast Red	1 Kit (8 ml/80 tests)	KDB-10011
<b>BioSite Histo Plus (AP) Broad Spectrum Kit *</b>	Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, AP-conjugate	1 Kit (60 ml/600 tests)	KDB-10014
		1 Kit (125 ml/1250 tests)	KDB-10012
		1 Kit (500 ml/5000 tests)	KDB-10013
<b>BioSite Histo Plus (AP) Anti-Mouse (Fast Red) Kit *</b>	Protein Block, Sec. Antibody anti-Mouse, AP-conjugate, 2 component Fast Red	1 Kit (8 ml/80 tests)	KDB-10020
<b>BioSite Histo Plus (AP) Anti-Mouse Kit *</b>	Protein Block, Sec. Antibody anti-Mouse, AP-conjugate	1 Kit (60 ml/600 tests)	KDB-10023
		1 Kit (125 ml/1250 tests)	KDB-10021
		1 Kit (500 ml/5000 tests)	KDB-10022
<b>BioSite Histo Plus (AP) Anti-Rabbit (Fast Red) Kit *</b>	Protein Block, Sec. Antibody anti-Rabbit, AP-conjugate, 2 component Fast Red	1 Kit (8 ml/80 tests)	KDB-10029
<b>BioSite Histo Plus (AP) Anti-Rabbit Kit *</b>	Protein Block, Sec. Antibody anti-Rabbit, AP-conjugate	1 Kit (6 ml/60 tests)	KDB-10032
		1 Kit (125 ml/1250 tests)	KDB-10030
		1 Kit (500 ml/5000 tests)	KDB-10031

**BioSite Histo Streptavidin-Biotin Detection Systems (Standard Sensitivity)**

BioSite Histo Streptavidin-Biotin kits with standard sensitivity are available with broad spectrum secondary antibodies directed against mouse, rabbit, rat and guinea pig. Choose one of three different kit sizes according to your demand. The 80 tests kit size include the chromogenic substrate. Alkaline phosphatase and horseradish peroxidase kit systems are available. All BioSite Histo Streptavidin-Biotin kits are IVD/CE certified!

**HRP Streptavidin-Biotin Detection Reagents (Standard Sensitivity)**

Description	Components	Size	Art No
<b>BioSite Histo (HRP) Broad Spectrum (AEC) Kit *</b>	Peroxide Block, Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, HRP-conjugate, 2 component AEC	1 Kit (8 ml/80 tests)	KDB-10041
<b>BioSite Histo (HRP) Broad Spectrum (DAB) Kit *</b>	Peroxide Block, Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, HRP-conjugate, 2 component DAB	1 Kit (8 ml/80 tests)	KDB-10042
<b>BioSite Histo (HRP) Broad Spectrum Kit *</b>	Protein Block, Sec. Antibody anti-Mouse, HRP-conjugate	1 Kit (125 ml/1250 tests)	KDB-10043
		1 Kit (500 ml/5000 tests)	KDB-10044

**AP Streptavidin-Biotin Detection Reagents (Standard Sensitivity)**

Description	Components	Size	Art No
<b>BioSite Histo (AP) Broad Spectrum (Fast Red) Kit *</b>	Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, AP-conjugate, 2 component Fast Red	1 Kit (8 ml/80 tests)	KDB-10038
<b>BioSite Histo (AP) Broad Spectrum Kit *</b>	Protein Block, Sec. Antibody anti-Mouse/Rabbit/Rat/Guinea pig, AP-conjugate	1 Kit (125 ml/1250 tests)	KDB-10039
		1 Kit (500 ml/5000 tests)	KDB-10040

\* CE/IVD certified

## Ancillary Reagents

Nordic BioSite offers a broad range of ancillary reagents like buffers, chromogenic substrates and reagents for pre-treatment, and many of them IVD/CE certified.

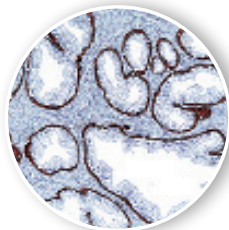
Description		Size	Art No
<b>Antibody Diluent</b> (Ready-to-use) *		100 ml	BCB-20005
		500 ml	BCB-20006
<b>Antibody Diluent B</b> (Ready-to-use; special diluent recommended for anti-MLH-1 and certain other specificities) *		25 ml	BCB-20007
		100 ml	BCB-20008
<b>Peroxide Block</b> (Ready-to-use) *		8 ml	BCB-20002
		100 ml	BCB-20003
		500 ml	BCB-20004
<b>Blocking Solution</b> (Ready-to-use) *		100 ml	BCB-20001
		200 ml	BCB-20067
<b>Wash Buffer</b> (20 X) *	for 10 litre	500 ml	BCB-20021
	for 50 litre	2500 ml	BCB-20022
<b>Tris-Wash Buffer</b> (20 X)	for 10 litre	500 ml	BCB-20023
<b>Tris/HCL Buffer</b> (pH7.6) (4 X)	for 1 litre	250 ml	BCB-20025
<b>TRIS IHC wash buffer</b> (20 X), TBS	for 10 litre	500 ml	BCB-20070
<b>Pink PAP Pen</b>		1 Pen	BCB-20052
<b>Pink PAP Pen Mini</b>		1 Pen	BCB-20053
<b>Aqueous Mount</b> (Ready-to-use)		30 ml	BCB-20044
		60 ml	BCB-20045
<b>DAB Substrate Buffer</b>		500 ml	BCB-20035
<b>Enzyme Diluent</b> (for Streptavidin -AP and -HRP)		100 ml	BCB-20050
<b>Hematoxylin, Mayers</b> (Lillie's modification)		500 ml	BCB-20073
<b>Link Diluent</b> (for secondary antibodies)		100 ml	BCB-20051
<b>Methylgreen</b>		500 ml	BCB-20043



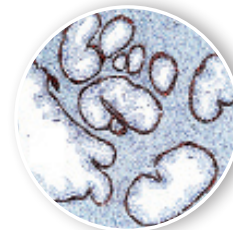
## Epitope retrieval

Pretreatment of tissue after paraffin embedding can be divided into different parts. One is to get rid of the paraffin hiding the epitope of interest and retrieve antigen so antibodies can detect it. Nordic Biosite has unique products with this focus. Our OmniPrep Solution can be used for heat induced epitope retrieval (HIER). The working solution will have a pH 9 and will increase epitope expression in the tissue. Depending on selected primary antibody epitope unmasking can be performed with HIER with different buffer solutions with different pH or enzymatic digestion. Often works pH6 and for increased binding potentially pH9. The lower pH with focus on antibody pI which is close to pH6. At pH 6 will the antibody in theory bind with it's antigen specific part. With higher pH will the antibody be more charged and can add other binding possibilities in it's interacting with tissue. All protocols has to balance between maximal specific binding of antibody and epitope retrieval.

Each producer of antibodies test their antibodies with at least one protocol and for receiving the same result this protocol must be followed. Every pathology laboratory tests a lot of antibodies to select which one's that deliver the correct staining pattern according to this laboratory procedure. Several laboratories have different protocols and different preferred clones that works with their specific protocol. Most laboratories has selected Citrate buffer as pre-treatment and we have the same as standard protocol.



Cytokeratin 5&6 (AIB-30076/  
AIB-30077) staining after dewaxing  
and epitope retrieval with OmniPrep



Cytokeratin HMW (AIB-30064/  
AIB-30064) staining after dewaxing  
and epitope retrieval with Omni-



## Dewaxing and heat pre-treatment combined

Description	Size	Art No
Deparaffinization Solution pH 6.0 (10X)	100 ml	BCB-20068
	500 ml	BCB-20069
Deparaffinization Solution pH 9.0 (10X)	100 ml	BCB-20055
	500 ml	BCB-20056
Deparaffinization Solution pH 9.0 (100X)	500 ml	BCB-10050

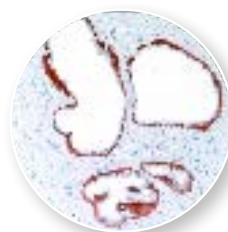
## HIER (Heat Induced Epitope Retrieval)

Description	Size		Art No
HIER Citrate Buffer pH 6.0 (10 X) *	100 ml		BCB-20015
	500 ml		BCB-20016
HIER EDTA Buffer pH 8.0 (10 X) *	100 ml		BCB-20017
	500 ml		BCB-20018
HIER T-EDTA Buffer pH 9.0 (10 X) *	for 1000 ml	100 ml	BCB-20019
	for 5000 ml	500 ml	BCB-20020

## Proteolytic Pre-treatment

Description	Size	Art No
Ficin (Ready-to-use)	50 ml	BCB-20009
Pepsin (Ready-to-use) *	60 ml	BCB-20010
Pronase (Ready-to-use)	250 ml	BCB-20011
Proteinase K (Ready-to-use)	15 ml	BCB-20012
	50 ml	BCB-20013
Trypsin Pretreatment Kit (2components)	155 ml	BCB-20014

\* CE/IVD certified

CK5/6 on prostate with HIER in  
Citrate Buffer pH 6.0CK5/6 on prostate with HIER in T-  
EDTA Buffer pH 9.0

## Chromogenic substrates

We offer Permanent AEC, AEC and DAB for horseradish peroxidase detection systems. For alkaline phosphatase based detection systems Permanent AP Red, Fast Red, and New Fuchsin are available.

Beside the often used DAB Nordic BioSite offers two additional chromogenic substrates for permanent mounting: Permanent AEC for HRP and Permanent AP Red for AP systems. Both chromogens can be mounted with a permanent mounting medium after dehydration in ethanol and clearing in xylene.

### Chromogenic substrates for Peroxidase

Description	Size		Art No
<b>Permanent AEC Kit</b> (4 components; for permanent mounting)	200 ml		BCB-20030
<b>AEC Single Solution</b> (Ready-to-use; for aqueous mounting) *	8 ml		BCB-20026
	100 ml		BCB-20027
<b>AEC Substrate Kit</b> (2 components; for aqueous mounting) *	500 test	50 ml	BCB-20028
	5000 test	500 ml	BCB-20029
<b>DAB Substrate Kit</b> (2 components; for permanent mounting) *	1 kit 500 test	50 ml	BCB-20033
	1 kit 5000 test	500 ml	BCB-20034
<b>DAB High contrast Kit</b> (2 components; for permanent mounting) *	1 kit 500 test	50 ml	BCB-20031
	1 kit 5000 test	500 ml	BCB-20032
<b>Permanent HRP Green</b> (Chromogen, substrate buffer)	100 ml		KDB-10049

### Chromogenic Substrates for Alkaline Phosphatase

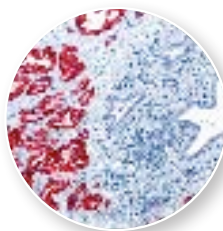
Description	Size		Art No
<b>Permanent AP-Red Kit</b> (2 components; for permanent mounting) *	1250 test	125 ml	BCB-20041
	500 test	500 ml	BCB-20042
<b>Fast-Red Substrate Pack</b> (tablets and buffer; for aqueous mounting) *	550 test	55 ml	BCB-20036
	1250 test	125 ml	BCB-20037
	5000 test	500 ml	BCB-20038

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Enzyme	Chromogen	Mounting	Color
HRP	DAB	Organic or aqueous	Brown
	Permanent AEC	Organic	Red-brown
	AEC	Aqueous	Red-brown
	Permanent HRP Green	Organic	Green
Alkaline Phosphatase	Permanent AP Red	Organic	Magenta-red
	Fast Red	Aqueous	Magenta-red
	NBT	Organic or aqueous	Dark blue
	New Fuchsin	Organic or aqueous	Magenta-red
Double staining			
HRP + AP	DAB + Permanent AP Red	Organic	Brown + Magenta-red



Tonsil stained with Ki67 (AIB-30118/AIB-30119), HRP and Permanent BCB-20030.



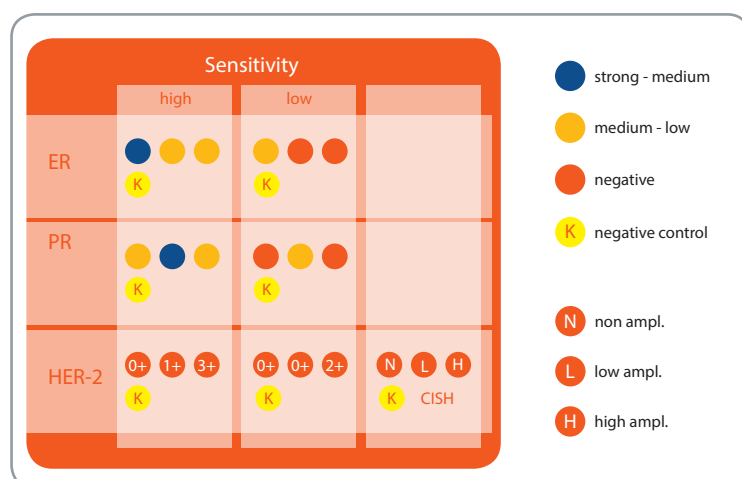
Prostate carcinoma stained with P504S (AIB-30140), AP and Permanent AP Red Kit BCB-20041/BCB-20042

# Control Cell Blocks

Nordic BioSite is now able to offer Control Cell Blocks for immunohistochemistry and *in situ*-hybridisation. Our Control Cell Blocks provided by the company multiblock are homogenous paraffin blocks with different numbers of embedded cell lines. These micro arrays are so small that they can be mounted together with the sample of interest e.g. patient specimen on one slide. The cell lines are fixed in buffered formalin under controlled conditions. The paraffin block can be cut as any regular paraffin block on a standard microtome without any further equipment. Red dyed paraffin was used for better orientation during cutting and mounting. Sections can be mounted on normal or coated slides following standard methods. A tissue core of dog heart muscle is included for rapid and easy orientation of the micro array on the glass slide. All Control Cell Blocks are labelled for research use only.

## Nordic BioSite offers four different control blocks

The **Receptor Control Cell Block** contains 4 types of cores: a negative control cell line, ER positive cell line, PR positive cell line and a cell line with HER2 overexpression. The cell lines will positively react to IHC staining of estrogen receptor, progesterone receptor and HER2 antibodies. Each block consists of a set of low and a set of normal expressing cell lines. Thus, a differentiation between high and low staining intensity is possible, indicating the sensitivity of the stains. The system is suitable for immunohistochemistry and *in situ*-hybridisation.




The **Virus Control Cell Block** contains 5 cores: CMV, HSV type 1 and type 2, EBV, and Polyomavirus/SV40 expressing cell lines. The system is suitable for immunohistochemistry and *in situ*-hybridisation.

The **HPV Control Cell Block** contains 4 cores: a negative control cell line, HPV 6/11, HPV 16/18 and HPV 31/33/35 positive cell lines. The system is suitable for immunohistochemistry and *in situ*-hybridisation.

The **Bacteria Control Cell Block** contains 4 cores of cells: attenuated bovine mycobacteria (serve as positive control for the detection of acid fast mycobacteria), gram positive bacteria, and gram negative bacteria (for a gram or giemsa stain). *Aspergillus fumigatus* is the positive control for fungi-specific stains. The system is suitable for histochemical stains, immunohistochemistry, and immunofluorescence applications.

## Control Cell Blocks

Description	Size	Art No
Receptor Control Cell Array	1 Block	TCB-10100
Virus Control Cell Block	1 Block	TCB-10101
HPV Control Cell Block	1 Block	TCB-10103
Bacteria plus Fungi Control Cell Block	1 Block	TCB-10102



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Latvia +358 20 7432 007  
Lithuania +358 20 7432 007  
USA +1 484 534 3568

[info@nordicbiosite.com](mailto:info@nordicbiosite.com)  
[www.nordicbiosite.com](http://www.nordicbiosite.com)