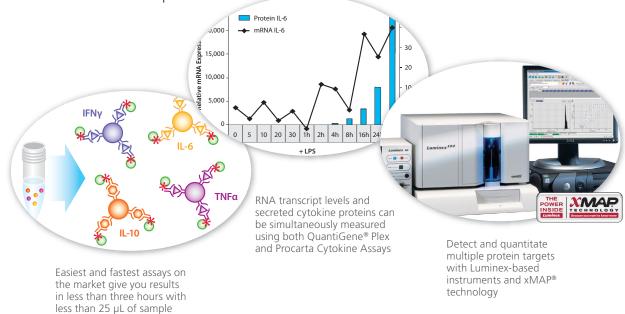
## Product Spotlight



## Procarta® Cytokine Assays

Affymetrix offers the most affordable and largest number of automation-compatible protein targets in both polystyrene and magnetic bead formats.

- Largest menu of unique Luminex® assays for cytokines, chemokines, and growth factors more than 260 protein assays and thousands of gene expression assays.
  - Human (123)
  - Mouse (45)
  - Rat (31)
  - Non-human primates (NHP or monkey) (45)
  - Canine (dog) (12)
  - Porcine (pig) (8)
  - More than 18,000 QuantiGene® Assays multiplexed gene expression assays for the Luminex platform
- "By Request" assays allow you to configure your own unique panel, providing flexibility to select any target without extra cost.
- All reagents are ready to use: No dilutions or mixing needed for kit components, providing excellent reproducibility.
- Simple and rapid workflow that can be completed in 3 hours with only 25 μL or less of sample required.
- Procarta® assay kits are optimized for both species and sample matrix type assays are the highest precision and most sensitive assays on the market.
- Assays are ideal for routine and clinical sample types serum, plasma, cell tissue lysates, and bodily fluids.
- Exclusive protocols for intracellular tissue cytokines, high-expression targets, and simultaneous measurement of protein and gene expression markers from lysed cells and cell culture supernatant samples.
- Affordable assay services are available for custom design of novel analytes and for rapid turnaround for outsourced customer samples.



Human Targets – Panel 1	Human Targets  – Panel 1
β-NGF/NGFB	TNF-α
CD40 ligand/	TNF-β/TNFSF1/LTA
TNFSF5/CD40LG	TRAIL/TNFSF10
EGF	VEGF-A
ENA-78/CXCL5 Eotaxin/CCL11	
FGF basic	Human Targets – Panel 2
Fractalkine/	Adiponectin
CX3CL1	BDNF
G-CSF/CSF-3	BLC/CXCL13/BCA-
GM-CSF/CSF-2	C-peptide
GRO α/KC/CINC1/	CTACK/CCL27
CXCL1	Eotaxin-2/CCL24/
HGF	MPIF-2
IFN-α2	Eotaxin-3/CCL26/
IFN-β IFN-γ	MIP-4α
IL-1α/IL-1F1	E-selectin/CD62E/ ELAM1
IL-1β/IL-1F2	Fas ligand/TNFSF6
IL-1RA/IL-1R1	Fas/TNFRSF6
IL-2	Granzyme B
IL-4	ICAM-1/CD54
IL-5	IFN-ω/IFNW1
IL-6	IL-2RA/CD25
IL-7	IL-3
IL-8/CXCL8	IL-21
IL-9	IL-22/IL-TIF
IL-10/CSIF	IL-23 p19
IL-12 p70	IL-27
IL-12/IL-23 p40	IL-31
IL-13	LIF
IL-15	MIF
IL-16/LCF	MPO/ myeloperoxidase
IL-17A/CTLA-8	OPG/osteopro-
IL-17F/ML-1	tegerin/TNFRSF11
IL-20	PIGF-1
IP-10/CXCL10	RANKL/TNFSF11
I-TAC/CXCL11	SAP/pentraxin 2/
Leptin/LEP	APCS
MCP-1/JE/CCL2 MCP-3/MARC/	SCF/MGF/KITLG
CCL7	SCGF-β/CLEC11A
M-CSF/CSF-1	SDF-1/CXCL12 Survivin/BIRC5
MIG/CXCL9	TAT/thrombin-ant
MIP-1α/CCL3	thrombin complex
MIP-1β/CCL4	TNFRI/TNFRSF1A
MIP-3α/CCL20	TNFRII/ TNFRSF1B
PAI-1/serpin E1	TPO/
PDGF-BB	thrombopoietin
RANTES/CCL5	VCAM-1/CD106
Resistin/ADSF	
SAA/serum	Human –
amyloid A1	Single Plex
TGF-α	B2M/β-2 microglobulin
TGF-β1	meroglobuill

Human Targets – Panel 1
TNF-α
TNF-β/TNFSF1/LTA
TRAIL/TNFSF10
VEGF-A
Human Targets – Panel 2
Adiponectin
BDNF
BLC/CXCL13/BCA-1
C-peptide
CTACK/CCL27
Eotaxin-2/CCL24/ MPIF-2
Eotaxin-3/CCL26/ MIP-4α
E-selectin/CD62E/ ELAM1
Fas ligand/TNFSF6
Fas/TNFRSF6
Granzyme B
ICAM-1/CD54
IFN-ω/IFNW1
IL-2RA/CD25
IL-3
IL-21
IL-22/IL-TIF
IL-23 p19
IL-27
IL-31
LIF
MIF
MPO/
myeloperoxidase
OPG/osteopro-
tegerin/TNFRSF11B
PIGF-1
RANKL/TNFSF11
SAP/pentraxin 2/ APCS
SCF/MGF/KITLG
SCGF-β/CLEC11A
SDF-1/CXCL12
Survivin/BIRC5
TAT/thrombin-anti-

## Single Plex CRP/C-reactive protein GAPDH HER2/ErbB2 MMP-2 TGF-β1 **Human Targets** APO Panel ApoA1 ApoA2 АроВ ApoC2 ApoE **Human Targets** Coag Panel D-dimer Factor VII Factor VIII Factor X PAI-1/serpin E1 Protein C tPA/tissue plasmir ogen activator Human Targets CYP Panel B2M/β-2 microglobulin CYP1A2 CYP2B6 CYP3A4 GAPDH **Human Targets** Coag Single Ple Factor V Fibrinogen TAT/thrombin-ant thrombin complex Human -MMP Panel MMP-1 MMP-3 MMP-7 MMP-8 MMP-9 MMP-12 MMP-13 NHP Targets Adiponectin

Human -

Human –	NHP largets
Single Plex	CD40 ligand/
CRP/C-reactive	TNFSF5/CD40LG
protein	Eotaxin/CCL11
GAPDH	FGF basic
HER2/ErbB2	G-CSF/CSF-3
MMP-2	GM-CSF/CSF-2
TGF-β1	Granzyme B
	ICAM-1/CD54
Human Targets	IFN-γ
APO Panel	IL-1β/IL-1F2
ApoA1	IL-1RA/IL-1R1
ApoA2	IL-2
АроВ	IL-4
ApoC2	IL-5
ApoE	IL-6
	IL-8/CXCL8
Human Targets	IL-10/CSIF
Coag Panel	IL-12 p70
D-dimer	IL-12/IL-23 p40
Factor VII	IL-13
Factor VIII	IL-15
Factor X	IL-17A/CTLA-8
PAI-1/serpin E1	IL-17F/ML-1
Protein C	IL-23 p19
tPA/tissue plasmin-	IP-10/CXCL10
ogen activator	I-TAC/CXCL11
	MCP-1/JE/CCL2
Human Targets	MCP-3/MARC/CCL7
CYP Panel	MIF
B2M/β-2	
microglobulin	MIG/CXCL9
CYP1A2	MIP-1α/CCL3
CYP2B6	MIP-1β/CCL4
CYP3A4	PAI-1/serpin E1
GAPDH	PDGF-BB
II Tauarata	RANTES/CCL5
Human Targets	Resistin/ADSF
Coag Single Plex	TGF-α
Factor V	TGF-β1
Fibrinogen	TNF-α
TAT/thrombin-anti- thrombin complex	TNF-β/TNFSF1/LTA
thombin complex	TRAIL/TNFSF10
Human –	VCAM-1/CD106
MMP Panel	VEGF-A
MMP-1	
MMP-3	Mouse Targets
MMP-7	Adiponectin
MMP-8	BTC/betacellulin
MMP-9	Eotaxin/CCL11
	G-CSF/CSF-3
MMP-12 MMP-13	GM-CSF/CSF-2
	GRO α/KC/CINC1/ CXCL1
NHP Targets	IFN-γ
Adiponectin	IL-1α/IL-1 F1
β-NGF/NGFB	IL-1β/IL-1 F2
BLC/CXCL13/BCA-1	IL-2

NHP Targets	Mouse Targets
CD40 ligand/	IL-3
TNFSF5/CD40LG	IL-4
Eotaxin/CCL11	IL-5
FGF basic	IL-6
G-CSF/CSF-3	IL-9
GM-CSF/CSF-2	IL-10/CSIF
Granzyme B	IL-12 p70
ICAM-1/CD54	IL-12/IL-23 p40
IFN-γ	IL-13
IL-1β/IL-1F2	IL-17A/CTLA-8
IL-1RA/IL-1R1	IL-21
IL-2	IL-23 p19
IL-4	IP-10/CXCL10
IL-5	Leptin/LEP
IL-6	LIF
IL-8/CXCL8	LIX/GCP2/CXCL
IL-10/CSIF	MCP-1/JE/CCL2
IL-12 p70	MCP-3/MARC/
IL-12/IL-23 p40	CCL7
IL-13	M-CSF/CSF-1
IL-15	MIP-1α/CCL3
IL-17A/CTLA-8	MIP-2/GRO β/
IL-17F/ML-1	CINC3/CXCL2
IL-23 p19	RANKL/TNFSF11
IP-10/CXCL10	RANTES/CCL5
I-TAC/CXCL11	TGF-β1
MCP-1/JE/CCL2	TNF-α
MCP-3/MARC/CCL7	VEGF-A
MIF	Mouse
MIG/CXCL9	Mouse –
MIP-1α/CCL3	Single Plex CRP/C-reactive
MIP-1β/CCL4	protein
PAI-1/serpin E1	TGF-β1
PDGF-BB	<u> </u>
RANTES/CCL5	Mouse –
Resistin/ADSF	Two Plex
TGF-α	IFN-α A/IFNA3
TGF-β1	IFN-β
TNF-α	
TNF-β/TNFSF1/LTA	Mouse Targets
TRAIL/TNFSF10	Isotyping Pane
VCAM-1/CD106	IgA
VEGF-A	lgG1
	lgG2a
Mouse Targets	IgG2b
Adiponectin	lgG3
BTC/betacellulin	IgM
Eotaxin/CCL11	
G-CSF/CSF-3	Rat Targets
1 - N/I ( C L / I C E D	O NICE/NICED

β-NGF/NGFB

Eotaxin/CCL11

G-CSF/CSF-3

CXCL1

GM-CSF/CSF-2

ICAM-1/CD54

GRO  $\alpha$ /KC/ CINC1/

ouse Targets	Rat Targets
B	IFN-γ
<del>3</del> 4	
	IL-1α/IL-1F1
5	IL-1β/IL-1F2
5	IL-2
9	IL-4
10/CSIF	IL-5
12 p70	IL-6
2/IL-23 p40	IL-10/CSIF
13	IL-12 p70
7A/CTLA-8	IL-12/IL-23 p40
21	IL-13
23 p19	IL-17A/CTLA-8
10/CXCL10	IP-10/CXCL10
otin/LEP	Leptin/LEP
	MCP-1/JE/CCL2
Z/GCP2/CXCL5	MCP-3/MARC/CCL7
CP-1/JE/CCL2	MIP-1α/CCL3
CP-3/MARC/	MIP-2/GRO β/
L7	CINC3/CXCL2
CSF/CSF-1	RANKL/TNFSF11
P-1α/CCL3	RANTES/CCL5
P-2/GRO β/	TGF-β1
NC3/CXCL2	TNF-α
NKL/TNFSF11	VCAM-1/CD106
NTES/CCL5	VEGF-A
F-β1	VLGI-A
F-α	Rat Targets –
GF-A	Single Plex
	CRP/C-reactive
ouse –	protein
ngle Plex	TGF-β1
P/C-reactive	тот рт
otein	Canine Targets
F-β1	β-NGF/NGFB
	IFN-γ
ouse –	IL-2
o Plex	IL-6
I-α A/IFNA3	IL-8/CXCL8
Ι-β	
<u>r</u>	IL-10/CSIF
ouse Targets	IL-12/IL-23 p40
typing Panel	MCP-1/JE/CCL2
\ \	SCF/c-kit ligand
<u>`                                    </u>	TGF-β1
52a	TNF-α
	VEGF-A
52b	
<u> </u>	Porcine Targets
Λ	IFN-γ
t Tanasta	IL-1β/IL-1F2
t Targets	II. 4