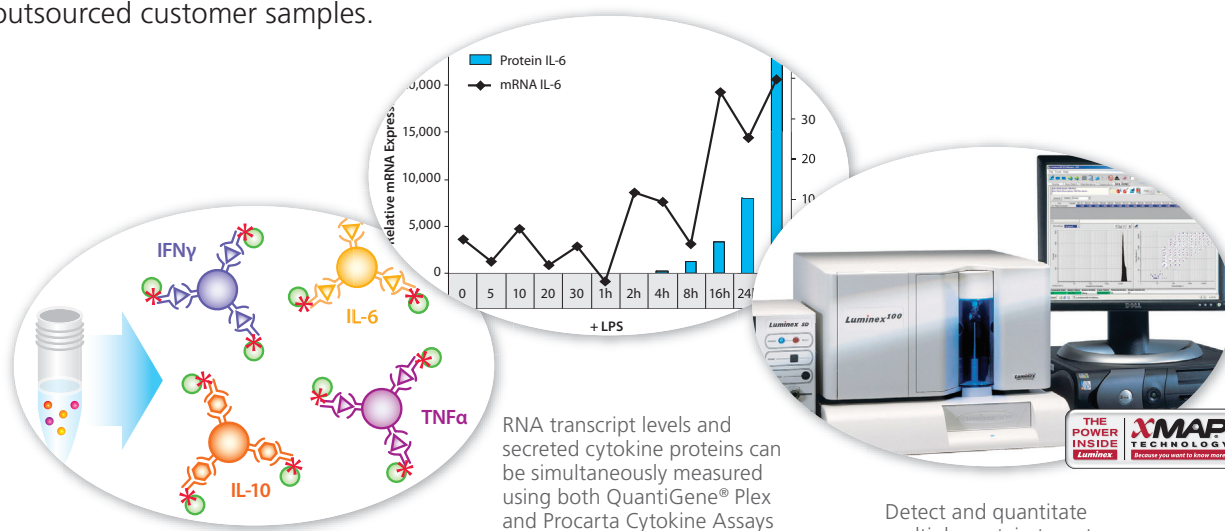


# Product Spotlight

## 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.



RNA transcript levels and secreted cytokine proteins can be simultaneously measured using both QuantiGene® Plex and Procarta Cytokine Assays

Easiest and fastest assays on the market give you results in less than three hours with less than 25 µL of sample

Detect and quantitate multiple protein targets with Luminex-based instruments and xMAP® technology

Human Targets – Panel 1	Human Targets – Panel 1	Human – Single Plex	NHP Targets	Mouse Targets	Rat Targets
β-NGF/NGFB	TNF-α	CRP/C-reactive protein	CD40 ligand/ TNFSF5/CD40LG	IL-3	IFN-γ
CD40 ligand/ TNFSF5/CD40LG	TNF-β/TNFSF1/LTA	GAPDH	Eotaxin/CCL11	IL-4	IL-1α/IL-1F1
EGF	TRAIL/TNFSF10	HER2/ErbB2	FGF basic	IL-5	IL-1β/IL-1F2
ENA-78/CXCL5	VEGF-A	MMP-2	G-CSF/CSF-3	IL-6	IL-2
Eotaxin/CCL11		TGF-β1	GM-CSF/CSF-2	IL-9	IL-4
FGF basic			Granzyme B	IL-10/CSIF	IL-5
Fractalkine/ CX3CL1	<b>Human Targets – Panel 2</b>	<b>Human Targets APO Panel</b>	ICAM-1/CD54	IL-12 p70	IL-6
G-CSF/CSF-3	Adiponectin	ApoA1	IFN-γ	IL-12/IL-23 p40	IL-10/CSIF
GM-CSF/CSF-2	BDNF	ApoA2	IL-1β/IL-1F2	IL-13	IL-12 p70
GRO α/KC/CINC1/ CXCL1	BLC/CXCL13/BCA-1	ApoB	IL-1RA/IL-1R1	IL-17A/CTLA-8	IL-12/IL-23 p40
HGF	C-peptide	ApoC2	IL-2	IL-21	IL-13
IFN-α2	CTACK/CCL27	ApoE	IL-4	IL-23 p19	IL-17A/CTLA-8
IFN-β	Eotaxin-2/CCL24/ MPIF-2		IL-5	IP-10/CXCL10	IP-10/CXCL10
IFN-γ	Eotaxin-3/CCL26/ MIP-4α	<b>Human Targets Coag Panel</b>	IL-6	Leptin/LEP	Leptin/LEP
IL-1α/IL-1F1	E-selectin/CD62E/ ELAM1	D-dimer	IL-8/CXCL8	LIF	MCP-1/JE/CCL2
IL-1β/IL-1F2	Fas ligand/TNFSF6	Factor VII	IL-10/CSIF	LIX/GCP2/CXCL5	MCP-3/MARC/CCL7
IL-1RA/IL-1R1	Fas/TNFRSF6	Factor VIII	IL-12 p70	MCP-1/JE/CCL2	MIP-1α/CCL3
IL-2	Granzyme B	Factor X	IL-12/IL-23 p40	MCP-3/MARC/ CCL7	MIP-2/GRO β/ CINC3/CXCL2
IL-4	ICAM-1/CD54	PAI-1/serpin E1	IL-13	M-CSF/CSF-1	RANKL/TNFSF11
IL-5	IFN-ω/IFNW1	Protein C	IL-15	MIP-1α/CCL3	RANTES/CCL5
IL-6	IL-2RA/CD25	tPA/tissue plasmin- ogen activator	IL-17A/CTLA-8	MIP-2/GRO β/ CINC3/CXCL2	TGF-β1
IL-7	IL-3		IL-17F/ML-1	RANKL/TNFSF11	TNF-α
IL-8/CXCL8	IL-21	<b>Human Targets CYP Panel</b>	IL-23 p19	RANTES/CCL5	VCAM-1/CD106
IL-9	IL-22/IL-TIF	B2M/β-2 microglobulin	IP-10/CXCL10	TGF-β1	VEGF-A
IL-10/CSIF	IL-23 p19	CYP1A2	I-TAC/CXCL11	<b>Mouse – Single Plex</b>	<b>Rat Targets – Single Plex</b>
IL-12 p70	IL-27	CYP2B6	MCP-1/JE/CCL2	CRP/C-reactive protein	CRP/C-reactive protein
IL-12/IL-23 p40	IL-31	CYP3A4	MCP-3/MARC/CCL7	TGF-β1	TGF-β1
IL-13	LIF	GAPDH	MIF		
IL-15	MPO/ myeloperoxidase		MIG/CXCL9	<b>Mouse – Two Plex</b>	<b>Canine Targets</b>
IL-16/LCF	OPG/osteopro- tegerin/ TNFRSF11B	<b>Human Targets Coag Single Plex</b>	MIP-1α/CCL3	IFN-α A/IFNA3	β-NGF/NGFB
IL-17A/CTLA-8	PIGF-1	Factor V	MIP-1β/CCL4	IFN-β	IFN-γ
IL-17F/ML-1	RANKL/TNFSF11	Fibrinogen	PAI-1/serpin E1		IL-2
IL-20	SAP/pentraxin 2/ APCS	TAT/thrombin-anti- thrombin complex	PDGF-BB		IL-6
IP-10/CXCL10	SCF/MGF/KITLG		RANTES/CCL5	<b>Mouse Targets Isotyping Panel</b>	IL-8/CXCL8
I-TAC/CXCL11	SDF-1/CXCL12	<b>Human – MMP Panel</b>	Resistin/ADSF	IgA	IL-10/CSIF
Leptin/LEP	Survivin/BIRC5	MMP-1	TGF-α	IgG1	IL-12/IL-23 p40
MCP-1/JE/CCL2	TAT/thrombin-anti- thrombin complex	MMP-3	TGF-β1	IgG2a	MCP-1/JE/CCL2
MCP-3/MARC/ CCL7	TNFRI/TNFRSF1A	MMP-7	TNF-α	IgG2b	SCF/c-kit ligand
M-CSF/CSF-1	TNFRII/ TNFRSF1B	MMP-8	TNF-β/TNFSF1/LTA	IgG3	TGF-β1
MIG/CXCL9	TPO/ thrombopoietin	MMP-9	TRAIL/TNFSF10	IgM	TNF-α
MIP-1α/CCL3	VCAM-1/CD106	MMP-12	VCAM-1/CD106		VEGF-A
MIP-1β/CCL4		MMP-13	VEGF-A		
MIP-3α/CCL20	<b>Human – Single Plex</b>	<b>NHP Targets</b>		<b>Rat Targets</b>	<b>Porcine Targets</b>
PAI-1/serpin E1	B2M/β-2 microglobulin	Adiponectin	<b>Mouse Targets</b>	β-NGF/NGFB	IFN-γ
PDGF-BB		β-NGF/NGFB	Adiponectin	Eotaxin/CCL11	IL-1β/IL-1F2
RANTES/CCL5		BLC/CXCL13/BCA-1	BTC/betacellulin	G-CSF/CSF-3	IL-4
Resistin/ADSF			Eotaxin/CCL11	GM-CSF/CSF-2	IL-6
SAA/serum amyloid A1			G-CSF/CSF-3	GRO α/KC/CINC1/ CXCL1	IL-8/CXCL8
TGF-α			GM-CSF/CSF-2	ICAM-1/CD54	IL-10/CSIF
TGF-β1			GRO α/KC/CINC1/ CXCL1		TGF-β1
			IFN-γ		TNF-α
			IL-1α/IL-1 F1		
			IL-1β/IL-1 F2		
			IL-2		