



biotechne®

R&D Systems™ Luminex® Portfolio

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 **fisher scientific**
part of Thermo Fisher Scientific

R&D Systems™ has a complete solution to optimize productivity across your Luminex® workflow.



Luminex Instruments and R&D Systems Assays

From screening biomarkers for further evaluation to validating results for drug development, multiplex immunoassays offer several critical performance advantages. The ability to measure multiple targets in a single assay allows researchers to detect hundreds of analytes in a single run while being judicious with precious sample volumes.

As one of the most trusted platforms for high-level protein multiplexing, R&D Systems Luminex assays are designed to maximize multiplexing capacity and flexibility while maintaining assay specificity. Utilizing Luminex xMAP® microparticle technology, Luminex assays from R&D Systems are rigorously validated for accuracy, reproducibility, and lot-to-lot consistency.



Luminex Assays by R&D Systems

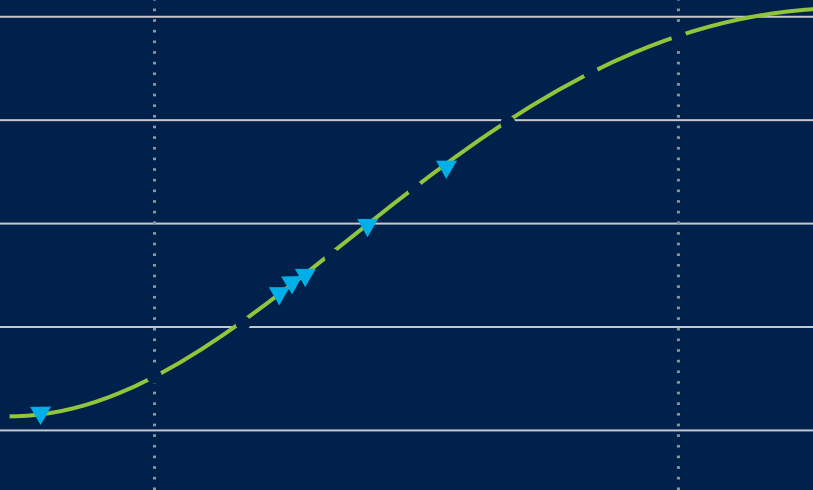
R&D Systems Luminex Assays are ideal for researchers needing to evaluate multiple analytes for trends in protein expression in disease states or following treatment. Validated and tested for optimum performance, R&D Systems Luminex Assays are designed to optimize multiplexing capabilities while delivering consistent and accurate results.

- Choose from a rapidly expanding menu of over 450 analytes
- Select kits designed for human, mouse, rat, non-human primate, and porcine analytes
- Run a multiple analyte assay in 3–3.5 hours
- Assay multiple analytes in a small sample volume (< 50 μ L)
- Choose from three flexible formats



Validation and Testing

- Antibody pairs are selected and tested to confirm the parallel detection of natural and recombinant standard protein and to ensure the accurate determination of target analyte within biological samples
- R&D Systems Luminex Assays are validated for use with cell culture supernatants, plasma, or serum.
- Assays for each target analyte are screened against all target analytes to confirm low antibody cross-reactivity.



Quantist Software

Quantist Luminex data analysis software helps you extract valuable insights from data complexity. Use this software to evaluate the quality of your standards, controls, and unknowns. Evaluate the long-term consistency of your Luminex data by using Quantist to make inter-assay comparisons. Import CSV files from any Luminex instrument and export ready-to-graph, Excel files.

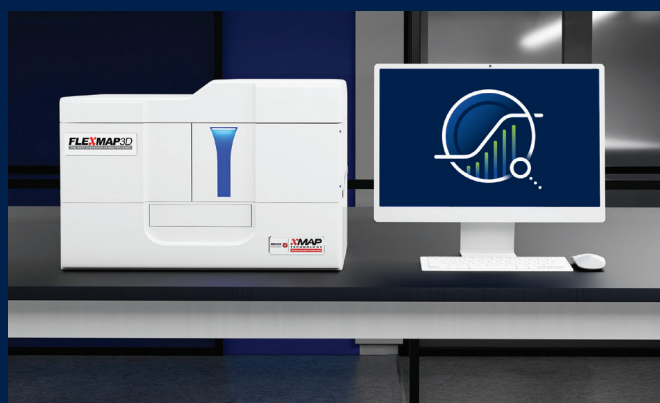
- Easily exclude individual wells or aggregates
- Remove low bead counts with a single click
- Assign or update well assignments in the Luminex 96-well plate
- Export optimized data for graphing



Try free for 30 days | bio-techne.com/reagents/luminex/luminex-software-quantist

Quantist Minimum Software Requirements

Processor	3.0 GHz i7 6th gen
Ram	8 GB
Hard Drive	256 GB
Ports	1-USB 1-NIC
OS	Windows 10 Pro 64bit
Screen Resolution	1600x900 24 bit color



R&D Systems Luminex Discovery Assays

Personalize your multiplex immunoassay panel using Luminex Discovery Assays. Create your panel of up to 50 analytes with the largest customizable menu on the market. Explore our large catalog of human, mouse, rat, and porcine targets. All assays can be performed in 3.5 hours or less.

- Most flexible panel building on the market
- Custom built panels of up to 50 analytes
- Panels come pre-mixed for easy set-up
- Validated and tested for optimum performance

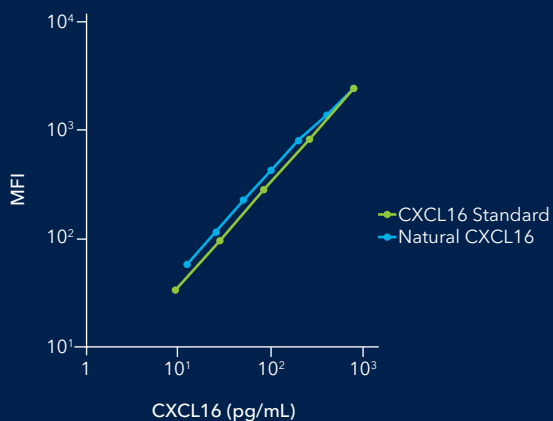


Figure 1. Luminex Assays undergo testing to ensure that they detect natural proteins in parallel with the recombinant protein standard. A dilution curve detecting natural or recombinant standard CXCL16 is shown. Parallel detection of natural and recombinant standard proteins ensure that the concentration within a biological sample can be accurately determined in comparison to the recombinant protein used to generate the standard curve.

Learn more | [bio-techne.com/reagents/luminex-assays/luminex-discovery-assays](https://www.bio-techne.com/reagents/luminex-assays/luminex-discovery-assays)

R&D Systems Luminex High Performance Assays

Correlated with the gold standard Quantikine™ ELISA kits, our Luminex High Performance Assay panels are optimized with custom diluents and extensively validated to ensure consistent and accurate results. Pre-defined multiplex panels are designed using key analytes from chosen research areas.

- Our most accurate and precise bead-based multianalyte profiling kits.
- High sensitivity panels available for low abundance proteins.
- Large XL Cytokine panels for detecting 38-46 analytes.
- Flexible panel options from configurable premixed kits, user mix, and off-the-shelf fixed panels

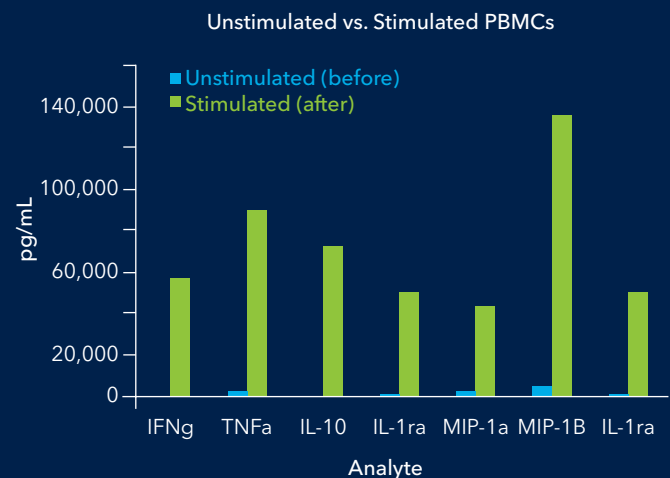


Figure 2. The Human XL Cytokine Performance Panel, FCSTM18B, detects the inflammatory response of Cytokine-Release Syndrome (CRS) biomarkers. Unstimulated and stimulated PBMCs were tested for multiple analytes to measure the different levels that are seen in CRS. The Human XL Cytokine Performance Panel's high sensitivity and superior accuracy offers the most reliable method of measuring CRS-associated inflammatory cytokines.

Learn more | [bio-techne.com/reagents/luminex-assays/luminex-high-performance-assays](https://www.bio-techne.com/reagents/luminex-assays/luminex-high-performance-assays)

Choose Your R&D Systems Luminex Assay Format

		Luminex Discovery Assay	Luminex High Performance Assay
Species Available	Human	✓	✓
	Mouse	✓	✓
	Rat	✓	
	Primate		✓
	Porcine	✓	
Sample Volume Required	µL Sample	≤ 25 - 50	≤ 25 - 50
Multiplex Analyte Capacity	Magnetic	50 User-Selected	User-Selected from Panel, or Fixed Panel
Validated Sample Types	Serum	✓	✓
	Plasma	✓	✓
	Cell Culture Supernates	✓	See Datasheet**
	Milk		See Datasheet**
	Saliva		See Datasheet**
	Urine		See Datasheet**
Run Time	Hours	3-3.5	2.5-5
Kit Preparation	Premixed	✓	✓
	End-user Mixed		✓
Assay Validation	Mean Sensitivity*	< the low standard	≤ 3/4 the low standard
	Intra-assay Precision	< 20%	< 15%
	Intra-assay Precision	< 30%	< 17%
	Recovery (Individual Samples)	N/A	70-130%
	Assay Linearity	Dose-Dependent Decrease in Values	1:2-1:8
	Linearity (Individual Samples)	Dose-Dependent Decrease in Values	70-130%
Analytes Available	Human	> 350	>135
	Mouse	> 108	45
	Rat	17	0
	Primate	0	36
	Porcine	20	0

*Mean sensitivity details | bio-techne.com/luminex-assay-customization-tool

**For more information | bio-techne.com/reagents/luminex-assays/luminex-high-performance-assays

R&D Systems Luminex® High Performance Assays Fixed Panels

Human Cytokine Panel 15-Plex, LKTM011B

IFN-alpha	IL-1ra/IL-1F3	IL-6	IL-15
IFN-gamma	IL-2	IL-7	IL-33
IL-1 alpha/IL-1F1	IL-3	IL-9	VEGF
IL-1 beta/IL-1F2	IL-4	IL-10	

Human Chemokine Panel 8-Plex, LKTM012B

CCL2/JE/MCP-1	CCL4/MIP-1 beta	CCL11/Eotaxin	CXCL10/IP-10/CRG-2
CCL3/MIP-1 alpha	CCL5/RANTES	CXCL1/GRO alpha	IL-8/CXCL8

Human Growth Factor Panel 21-Plex, LKTM013B

CCL3/MIP-1 alpha	Flt-3 Ligand/FLT3L	IL-9	TGF-alpha
CCL19/MIP-3 beta	G-CSF	IL-17E/IL-25	TRAIL/TNFSF10
CD40 Ligand/TNFSF5	Granzyme B	IL-33	VEGF
CXCL2/GRO beta	IFN-beta	PD-L1/B7-H1	
EGF	IL-3	PDGF-AA	
FGF basic/FGF2/bFGF	IL-8/CXCL8	PDGF-AB/BB	

Human Immunotherapy Panel 25- Plex, LKTM010B

CCL2/JE/MCP-1	IFN-alpha	IL-6	IL-17/IL-17A
CCL3/MIP-1 alpha	IFN-gamma	IL-8/CXCL8	IL-33
CCL4/MIP-1 beta	IL-1 alpha/IL-1F1	IL-9	PD-L1/B7-H1
CD40 Ligand/TNFSF5	IL-1 beta/IL-1F2	IL-10	TNF-alpha
CXCL10/IP-10/CRG-2	IL-1ra/IL-1F3	IL-12 p70	
GM-CSF	IL-2	IL-13	
Granzyme B	IL-4	IL-15	

Human Th1/Th2 Panel 13-Plex, LKTM008B

GM-CSF	IL-4	IL-10	TNF-beta
IFN-gamma	IL-5	IL-12 p70	
IL-1 beta/IL-1F2	IL-6	IL-13	
IL-2	IL-9	TNF-alpha	

Human Th9/Th17/Th22 Panel 18-Plex, LKTM009B

CCL20/MIP-3 alpha	IL-2	IL-10	IL-17E/IL-25
CD40 Ligand/TNFSF5	IL-4	IL-12 p70	IL-33
GM-CSF	IL-5	IL-13	TNF-alpha
IFN-gamma	IL-6	IL-15	
IL-1 beta/IL-1F2	IL-9	IL-17/IL-17A	

Human TIMP Panel 4-Plex, LKTM003

TIMP-1	TIMP-2	TIMP-3	TIMP-4
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Human XL Cytokine Panel 46-Plex, LKTM014B

CCL2/JE/MCP-1	CCL19/MIP-3 beta	CXCL10/IP-10/CRG-2	GM-CSF
CCL3/MIP-1 alpha	CCL20/MIP-3 alpha	EGF	Granzyme B
CCL4/MIP-1 beta	CD40 Ligand/TNFSF5	FGF basic/FGF2/bFGF	IFN-alpha 2/IFNA2
CCL5/RANTES	CXCL1/GRO alpha	Flt-3 Ligand/FLT3L	IFN-beta
CCL11/Eotaxin	CXCL2/GRO beta	G-CSF	IFN-gamma

R&D Systems Luminex® High Performance Assays Fixed Panels

Human XL Cytokine Panel 46-Plex, LKTM014B (continued)

IL-1 alpha/IL-1F1	IL-6	IL-15	TGF-alpha
IL-1 beta/IL-1F2	IL-7	IL-17/IL-17A	TNF-alpha
IL-1ra/IL-1F3	IL-8/CXCL8	IL-17E/IL-25	TNF-beta
IL-2	IL-9	IL-33	TRAIL/TNFSF10
IL-3	IL-10	PD-L1/B7-H1	VEGF
IL-4	IL-12 p70	PDGF-AA	
IL-5	IL-13	PDGF-AB/BB	

Mouse XL Cytokine Panel 45-Plex, LKTM015

BAFF/BlyS/TNSFS13B	Flt-3 ligand	IL-5	IL-27
CCL2/JE/MCP-1	G-CSF	IL-6	IL-31
CCL3/MIP-1 alpha	GDF-15	IL-7	LDL R
CCL4/MIP-1 beta	GM-CSF	IL-9	LIF
CCL5/RANTES	I-CAM	IL-10	LIX
CCL11/Eotaxin	IFN-gamma	IL-11	M-CSF
CCL19/MIP-3beta	IL-1 alpha/IL-1F1	IL-12 p70	TIMP-1
Chitinase 3-like 1	IL-1 beta/IL-1F2	IL-13	TNF-alpha
CXCL1/KC	IL-1ra/IL-1F3	IL-16	VEGF
CXCL10/IP-10/CRG-2	IL-2	IL-17A	
EGF	IL-3	IL-18	
FGF-basic	IL-4	IL-21	

R&D Systems Luminex® High Performance Assays

Human Biomarker Panel A, Premix [FCSTM13](#), User Mix [LBAM000](#)

BAFF/BlyS	CD27/TNFRSF7	IL-2 Ra
CCL20/MIP-3 alpha	CXCL13/BLC/BCA-1	CD25/IL-2R alpha
CD14	gp130	TNF RII/TNFRSF1B

Human Cytokine Panel A, Premix [FCSTM03](#), User Mix [LUHM000](#)

CCL2/MCP-1	FGF basic	IL-1ra/IL-1F3	IL-17
CCL3/MIP-1 alpha	G-CSF	IL-2	TNF-alpha
CCL4/MIP-1 beta	GM-CSF	IL-4	Thrombopoietin/Tpo
CCL5/RANTES	IFN-gamma	IL-5	VEGF
CXCL5/ENA-78	IL-1 alpha/IL-1F1	IL-6	
CXCL8/IL-8	IL-1 beta/IL-1F2	IL-10	

Human High Sensitivity Cytokine Panel A, Premix [FCSTM09](#), User Mix [LHSCM000](#)

CXCL8/IL-8	IL-1 beta/IL-1F2	IL-5	IL-12 p70
GM-CSF	IL-2	IL-6	TNF-alpha
IFN-gamma	IL-4	IL-10	VEGF

Human High Sensitivity Cytokine Panel B, Premix [FCSTM14](#), User Mix [LBHS000](#)

GM-CSF	IL-6	IL-17F	IL-36 beta
IFN-g	IL-7	IL-22	TNF-alpha
IL-1b	IL-13	IL-23	
IL-2	IL-15	IL-31	
IL-5	IL-17A	IL-33	

R&D Systems Luminex® High Performance Assays

Human Immuno-Oncology Panel Performance Panel, Premix [FCSTM24](#)

CCL17/TARC	CD25/IL-2R alpha	IFN-gamma	PD-L2/B7-DC
CD27/TNFRSF7	CTLA-4	LAG-3	TIM-3
CD28	CXCL5/ENA-78	OX40 Ligand/TNFSF4	
CD40/TNFRSF5	HVEM/TNFRSF14	PD-L1/B7-H1	

Human Kidney Biomarker Panel, Premix [FCSTM16](#), User Mix [LHK000](#)

Clusterin CXCL10/IP-10/CRG-2	Cystatin C Lipocalin-2/NGAL	Osteopontin (OPN) TFF3	
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Human MMP Panel, Premix [FCSTM07](#), User Mix [LMPM000](#)

MMP-1	MMP-7	MMP-10	EMMPRIN
MMP-2	MMP-8	MMP-12	
MMP-3	MMP-9	MMP-13	

Human Metabolic Panel, Premix [FCSTM19](#)

C-Peptide CCL2/JE/MCP-1 Ghrelin	GLP-1 Glucagon IFN-gamma	IL-6 Insulin Leptin/OB	Pancreatic Polypeptide/PP Peptide YY TNF-alpha
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Human Obesity Panel, Premix [FCSTM08](#), User Mix [LOBM000](#)

Adiponectin/Acrp30 C-Reactive Protein/CRP CCL2/MCP-1	Comp. Factor D/Adipsin IL-6 IL-10	Leptin/OB Resistin Serpin E1/PAI-1	TNF-a
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Human XL Cytokine Panel, Premix [FCSTM18B](#), User Mix [LUXLM000B](#)

CCL2/MCP-1	EGF	IL-2	IL-17A
CCL3/MIP-1 alpha	FGF basic/FGF-2	IL-3	IL-17E/IL-25
CCL4/MIP-1 beta	FIt-3 Ligand	IL-4	IL-33
CCL5/RANTES	G-CSF	IL-5	PD-L1/B7-H1
CCL11/Eotaxin	GM-CSF	IL-6	PDGF-AA
CCL19/MIP-3 beta	Granzyme B	IL-7	PDGF-BB
CCL20/MIP-3 alpha	IFN- alpha	IL-8/CXCL8	TGF- alpha
CD40 Ligand	IFN- beta	IL-9	TNF- alpha
CX3CL1/Fractalkine	IFN- gamma	IL-10	TNF-beta
CXCL1/GRO alpha	IL-1 alpha	IL-12 p70	TRAIL
CXCL2/GRO beta	IL-1 beta	IL-13	VEGF
CXCL10/IP-10	IL-1ra	IL-15	

Multi-species TGF-b Panel, Premix [FCSTM17](#), User Mix [LTGM00](#)

TGF- beta1	TGF- beta2	TGF- beta3
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Mouse XL Cytokine Performance Panel, Premix [FCSTM20](#), User Mix [LMXL000](#)

BAFF/BlyS/TNSFS13B	CCL19/MIP-3beta	FIt-3 ligand	IL- 1 alpha/IL-1F1
CCL2/JE/MCP-1	Chitinase 3-like 1	G-CSF	IL-1 beta/IL-1F2
CCL3/MIP-1 alpha	CXCL1/KC	GDF-15	IL-1ra/IL-1F3
CCL4/MIP-1 beta	CXCL10/IP-10/CRG-2	GM-CSF	IL-2
CCL5/RANTES	EGF	I-CAM	IL-3
CCL11/Eotaxin	FGF-basic	IFN-gamma	IL-4

R&D Systems Luminex® High Performance Assays

Mouse XL Cytokine Performance Panel, Premix [FCSTM20](#), User Mix [LMLX000](#) (continued)

IL-5	IL-12 p70	IL-27	TIMP-1
IL-6	IL-13	IL-31	TNF-alpha
IL-7	IL-16	LDL R	VEGF
IL-9	IL-17A	LIF	
IL-10	IL-18	LIX	
IL-11	IL-21	M-CSF	

Non Human Primate XL Cytokine Panel, Premix [FCSTM21](#)

BDNF	CXCL11/I-TAC	IL-1 beta/IL-1F2	IL-15
CCL2/JE/MCP-1	CXCL13/BLC/BCA-1	IL-4	IL-17/IL-17A
CCL5/RANTES	FGF basic/FGF2/bFGF	IL-5	IL-21
CCL11/Eotaxin	G-CSF	IL-6	PD-L1/B7-H1
CCL20/MIP-3 alpha	GM-CSF	IL-7	PDGF-AA
CD40 Ligand/TNFSF5	Granzyme B	IL-8/CXCL8	PDGF-BB
CXCL2/GRO beta/MIP-2/	IFN- alpha	IL-10	TGF- alpha
CINC-3	IFN- beta	IL-12 p70	TNF- alpha
CXCL10/IP-10/CRG-2	IFN gamma	IL-13	VEGF

R&D Systems Luminex® Discovery Assays

Human Discovery Assay, Catalog # LXSAHM

4-1BB/TNFRSF9/CD137	BMP-7	CD30/TNFRSF8	CXCL4/PF4
ADAMTS13	BMP-9	CD31/PECAM-1	CXCL5/ENA-78
Adiponectin/Acrp30	CA125/MUC16	CD40 Ligand/TNFSF5	CXCL6/GCP-2
Aggrecan	CA15-3/MUC-1	CD40/TNFRSF5	CXCL7/NAP-2
AgRP/ART	Calbindin D	CD44	CXCL9/MIG
ALCAM/CD166	Carbonic Anhydrase IX/CA9	CEACAM-1/CD66a	Cystatin C
Aldehyde Dehydrogenase	Cathepsin S	CEACAM-5/CD66e	DcR3/TNFRSF6B
1-A1/ALDH1A1	CCL1/I-309/TCA-3	Chemerin	D-dimer
alpha 1-Microglobulin	CCL11/Eotaxin	Chitinase 3-like 1	Dkk-1
alpha 2-Macroglobulin	CCL13/MCP-4	Coagulation Factor III/Tissue	DPPIV/CD26
alpha-Fetoprotein/AFP	CCL14/HCC-1/HCC-3	Factor	DR3/TNFRSF25
alpha-N-acetylglucosaminidase/NAGLU	CCL15/MIP-1 delta	Coagulation Factor XIV/	EGF
alpha-Synuclein	CCL17/TARC	Protein C	EMMPRIN/CD147
Angiogenin	CCL18/PARC	Collagen IV alpha 1	Endocan/ESM-1
Angiopoietin-1	CCL19/MIP-3 beta	Complement Component	Endoglin/CD105
Angiopoietin-2	CCL2/JE/MCP-1	C2	Endostatin
Angiopoietin-like Protein 3/	CCL20/MIP-3 alpha	Complement Component	Endothelin-1
ANGPTL3	CCL21/6Ckine	C5a	Enolase 2/Neuron-specific
Angiopoietin-like Protein 4/	CCL22/MDC	Complement Component	Enolase
ANGPTL4	CCL23/MPIF-1	C9	ENPP-2/Autotaxin
Angiopoietin-like Protein 6/	CCL24/Eotaxin-2/MPIF-2	Complement Factor D/	EN-RAGE/S100A12
ANGPTL6	CCL25/TECK	Adipsin	EpCAM/TROP1
APP	CCL26/Eotaxin-3	Contactin-1	EphA2
APRIL/TNFSF13	CCL27/CTACK	C-Peptide	ErbB2/Her2
Atrial Natriuretic Peptide/	CCL28	C-Reactive Protein/CRP	ErbB3/Her3
ANP	CCL3/MIP-1 alpha	Cripto	E-Selectin/CD62E
B7-H3	CCL4/MIP-1 beta	CX3CL1/Fractalkine	FABP4/A-FABP
BAFF/BlyS/TNFSF13B	CCL5/RANTES	CXCL1/GRO alpha/KC/	Fas Ligand/TNFSF6
BCMA/TNFRSF17	CCL7/MCP-3/MARC	CINC-1	Fas/TNFRSF6/CD95
BDNF	CCL8/MCP-2	CXCL10/IP-10/CRG-2	Ferritin
beta 2-Microglobulin	CD117/c-kit	CXCL11/I-TAC	Fetuin A/AHSG
beta-NGF	CD14	CXCL13/BLC/BCA-1	FGF acidic/FGF1
BMP-10	CD163	CXCL14/BRAK	FGF basic/FGF2/bFGF
BMP-2	CD23/Fc epsilon RII	CXCL16	FGF-13
BMP-4	CD25/IL-2R alpha	CXCL2/GRO beta/MIP-2/	FGF-23
	CD27/TNFRSF7	CINC-3	Fibroblast Activation Protein

R&D Systems Luminex® Discovery Assays

Human Discovery Assay, Catalog # LXSAHM (continued)

alpha/FAP	IL-23	NCAM-1/CD56	Serpin F1/PEDF
Fibronectin	IL-27	Nectin-4	SHBG
Flt-3 Ligand/FLT3L	IL-28A/IFN-lambda 2	Nephrin	SLPI
Follistatin-like 1/FSTL1	IL-28B/IFN-lambda 3	Neuregulin-1 beta 1/NRG1	SOST/Sclerostin
Follistatin-related Gene	IL-3	beta 1	SPARC
Protein/FLRG	IL-31	Neuropilin-1	SP-D
Furin	IL-33	NT-3	ST2/IL-33R
Galectin-1	IL-34	NT-4	Stanniocalcin 1/STC-1
Galectin-3	IL-36 beta/IL-1F8	Oncostatin M/OSM	Syndecan-1/CD138
Galectin-3BP/MAC-2BP	IL-4	Osteoactivin/GPNMB	Syndecan-4
Galectin-9	IL-4R alpha	Osteopontin/OPN	TACI/TNFRSF13B
Gas6	IL-5	Osteoprotegerin/TNFRS-	Tau
G-CSF	IL-6	F11B	Tenascin C
GDF-15	IL-6R alpha	Park7/DJ-1	TFF3
GDNF	IL-7	PBEF/Visfatin	TFPI
GITR/TNFRSF18	IL-8/CXCL8	PDGF-AA	TfR (Transferrin R)
GM-CSF	Insulin	PDGF-AB	TGF-alpha
gp130	ITIH4	PDGF-BB	Thrombomodulin/BDCA-3
Granzyme A	Kallikrein 3/PSA	PDGF-CC	Thrombopoietin/Tpo
Granzyme B	Kallikrein 5	PDGF-DD	Thrombospondin-2
Growth Hormone	Kallikrein 6/Neurosin	PD-L1/B7-H1	Thymidine Kinase 1
HB-EGF	Lactoferrin	Pentraxin 2/SAP	Tie-2
HE4/WFDC2	LBP	Pentraxin 3/TSG-14	TIM-1/KIM-1/HAVCR
HGF	Leptin R	Periostin/OSF-2	TIMP-1
HGFR/c-MET	Leptin/OB	PLA2G7/PAF-AH/Lp-PLA2	TNF RI/TNFRSF1A
HMW Adiponectin/Acrp30	LIF	PIGF	TNF RII/TNFRSF1B
HTRA2/Omi	LIGHT/TNFSF14	Procalcitonin	TNF-alpha
ICAM-1/CD54	Lipocalin-2/NGAL	Pro-Collagen I alpha 1	Total Inhibin
IFN-alpha	LRG1	Progranulin/PGRN	TRACP/PAP/ACP5
IFN-beta	L-Selectin/CD62L	Prolactin	TRAIL R2/TNFRSF10B
IFN-gamma	Lumican	Properdin	TRAIL R3/TNFRSF10C
IFN-gamma R1/CD119	Lymphotoxin-alpha/	Proprotein Convertase 9/	TRAIL/TNFSF10
IGFBP-1	TNF-beta	PCSK9	TRANCE/TNFSF11/RANK L
IGFBP-2	MAdCAM-1	Protein S/PROS1	TREM-1
IGFBP-3	MBL	Proteinase 3/Myeloblastin/	Troponin I
IGFBP-4	MCAM/CD146	PRTN3	TSLP
IGFBP-6	M-CSF	P-Selectin/CD62P	UCH-L1/PGP9.5
IGFBP-rp1/IGFBP-7	M-CSF R/CD115	RAGE/AGER	ULBP-1
IL-1 alpha/IL-1F1	Mesothelin	RBP4/Retinol-Binding	ULBP-2/5/6
IL-1 beta/IL-1F2	MFG-E8	Protein 4	ULBP-3
IL-1 RI	MIA	Reg3A	ULBP-4/RAET1E
IL-1 RII	MICA	Relaxin-2	uPAR
IL-10	MICB	Renin	u-Plasminogen Activator
IL-11	Midkine	Resistin	(uPA)/Urokinase
IL-12 p70	MIF	ROBO4	Uromodulin
IL-12/IL-23 p40	MMP-1	S100A8	Uteroglobin/SCGB1A1
IL-13	MMP-12	S100A9	VAP-1/AOC3
IL-15	MMP-13	S100B	VCAM-1/CD106
IL-16	MMP-2	SCF/c-kit Ligand	VEGF
IL-17/IL-17A	MMP-3	SCGF/CLEC11a	VEGF-C
IL-17C	MMP-7	Serpin A10/ZPI	VEGFR1/Flt-1
IL-17E/IL-25	MMP-8	Serpin A12	VEGFR2/KDR/Flk-1
IL-18/IL-1F4	MMP-9	Serpin A4/Kallistatin	VEGFR3/Flt-4
IL-19	MSP/MST1	Serpin A7/TBG	Vitamin D BP
IL-1ra/IL-1F3	Myeloperoxidase/MPO	Serpin B3/SCCA1	vWF-A2
IL-2	Myoglobin	Serpin C1/Antithrombin-III	
IL-21	N-Cadherin	Serpin E1/PAI-1	

R&D Systems Luminex® Discovery Assays

Mouse Discovery Assay, Catalog # LXSAMSM

Adiponectin/Acrp30	CINC-3	IL-16	Periostin/OSF-2
Angiopoietin-2	Cystatin C	IL-17/IL-17A	PIGF-2
BAFF/BLyS/TNFSF13B	Dkk-1	IL-17E/IL-25	Podocalyxin
beta-NGF	DPPIV/CD26	IL-2	Prolactin
C1qR1/CD93	EGF	IL-27	Proprotein Convertase 9/
CCL11/Eotaxin	EGFR	IL-3	PCSK9
CCL12/MCP-5	EMMPRIN/CD147	IL-33	P-Selectin/CD62P
CCL19/MIP-3 beta	Endoglin/CD105	IL-4	Renin
CCL2/JE/MCP-1	FABP4/A-FABP	IL-5	Resistin
CCL20/MIP-3 alpha	Fas Ligand/TNFSF6	IL-6	S100A8
CCL21/6Ckine	FGF basic/FGF2/bFGF	IL-6R alpha	S100A9
CCL22/MDC	FGF-21	IL-7	Serpin E1/PAI-1
CCL3/MIP-1 alpha	G-CSF	LDLR	SP-D
CCL4/MIP-1 beta	GDF-15	LIX	Syndecan-1/CD138
CCL5/RANTES	GM-CSF	M-CSF	Thrombospondin-4
CCL7/MCP-3/MARC	Granzyme B	MMP-12	TIM-1/KIM-1/HAVCR
CCL8/MCP-2	Haptoglobin	MMP-2	TIMP-1
Chitinase 3-like 1	HGF	MMP-3	TIMP-4
Complement Factor D/	ICAM-1/CD54	MMP-8	TNF RI/TNFRSF1A
Adipsin	IFN-gamma	MMP-9	TNF RII/TNFRSF1B
C-Reactive Protein/CRP	IGFBP-1	Nephrin	TNF-alpha
CXCL1/GRO alpha/KC/	IGFBP-3	Oncostatin M/OSM	TRANCE/TNFSF11/RANK L
CINC-1	IGF-1/IGF-1	Osteopontin/OPN	TWEAK/TNFSF12
CXCL10/IP-10/CRG-2	IL-1 alpha/IL-1F1	Osteoprotegerin/TNFRS-	uPAR
CXCL12/SDF-1 alpha	IL-1 beta/IL-1F2	F11B	VEGF
CXCL13/BLC/BCA-1	IL-10	PDGF-AA	VEGFR2/KDR/Fik-1
CXCL16	IL-12 p70	PDGF-AB	
CXCL2/GRO beta/MIP-2/	IL-13	PDGF-BB	

Rat Discovery Assay, Catalog # LXSARM

CXCL2/GRO beta/MIP-2/	ICAM-1/CD54	IL-13	L-Selectin/CD62L
CINC-3	IFN-gamma	IL-18/IL-1F4	TIMP-1
CXCL3/GRO gamma/	IL-1 alpha/IL-1F1	IL-2	TNF-alpha
CINC-2/DCIP-1	IL-1 beta/IL-1F2	IL-4	VEGF
GM-CSF	IL-10	IL-6	

Porcine Discovery Assay, Catalog # LXSAPM

CD31/PECAM-1	IL-1 alpha/IL-1F1	IL-1ra/IL-1F3	MMP-1
CD34	IL-1 beta/IL-1F2	IL-2	PDGF-BB
C-Reactive Protein/CRP	IL-10	IL-4	Serpin E1/PAI-1
GM-CSF	IL-12	IL-6	TNF-alpha
IFN-gamma	IL-18/IL-1F4	IL-8/CXCL8	

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