Millipore®

Preparation, Separation, Filtration & Monitoring Products



Expand your Immune checkpoint Research

By Multiplexing Your Mouse Tumor Models

Choose from 28 immuno-oncology analytes

Immune checkpoint proteins are regulators of immune activation and play a key role in maintaining immune homeostasis, preventing autoimmunity, and are involved in cancer immune escape. These immune system molecules demonstrate the ability to act both as agonists (co-stimulatory checkpoint molecules) or antagonists (co-inhibitory checkpoint molecules) of immune responses. Whether you are researching in this area or investigating potential immunotherapies, MILLIPLEX[®] kits offer a variety of assays to facilitate your discoveries, including our Mouse Immuno-Oncology Checkpoint Protein Panel 1.

Analyte	Standard Curve Range (pg/mL)	Sensitivity MinDC + 2SD (pg/mL)	Accuracy (%)	Analyte	Standard Curve Range (pg/mL)	Sensitivity MinDC + 2SD (pg/mL)	Accuracy (%)
4-1BBL/TNFSF9	14 - 10,000	7.9	105	Galectin-1	3.4 - 2,500 ng/mL	5.0 ng/mL	101
5'-NT/CD73	137 - 100,000	117.0	106	Galectin-3	41 - 30,000	40.7	108
B7-H2/ICOSL	27 -20,000	16.4	110	GITR	41 - 30,000	31.9	109
B7-H3/CD276	3.4 – 2.500 na/mL	4.5 ng/mL	95	Granzyme B	8.2 -6,000	8.0	94
BCA-1/CXCL-13	27 - 20,000	13.2	105	HVEM	1.4 - 1,000	1.8	108
BTLA	21 - 15,000	15.3	111	IFNγ	2.1 - 1,500	1.8	103
CD137/4-1BB	5.5 - 4,000	2.9	107	IL-10	11 - 8,000	9.0	105
CD226/DNAM-1	14 - 10,000	11.0	110	LAG-3	412 - 300,000	372.1	105
CD25/IL-2Rg	2.7 - 2,000	2.3	105	PD-1	55 - 40,000	39.8	106
CD27	55 - 40,000	41.0	107	PD-L1	14 - 10,000	8.0	96
CD40	14 - 10,000	8.5	109	PD-L2	6.9 - 5,000	5.7	104
CD80/B7-1	34.3 - 25,000	25.1	103	TIM-3	5.5 - 4,000	2.4	106
CTLA-4/CD152	5.5 - 4,000	4.8	104	TLR-2	412 - 300,000	296.7	104
E-Cadherin	342 - 250,000	212.8	108	TNFa	4.1 - 3,000	5.3	106

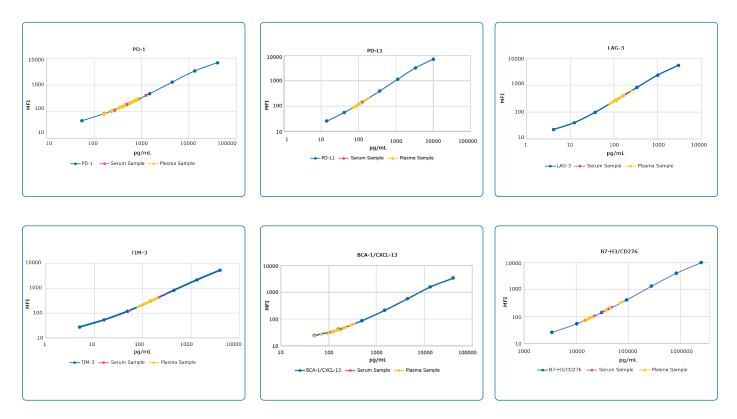
MILLIPLEX® Mouse Immuno-Oncology Checkpoint Protein Panel 1

MILLIPLEX® Mouse Immuno-Oncology Checkpoint Protein Panel 1

Cat. No.	MILLIPLEX [®] Kit			
To Order This Assay				
MCKP1-110K	Mouse Immuno-Oncology Checkpoint Protein Panel 1			
MCKP1-110K PX28				
MCKP1-110K-PBK28				
Related Immuno-Oncology Checkpoint Protein Assays				
HCKP1-11K				
HCKP1-11K-PX17	Human Immuno-Oncology Checkpoint Protein Panel 1			
HCKP1-11K-PXBK17				
HCKP2-11K	Human Immuno-Oncology Checkpoint Protein Panel 2			



Circulating mouse cancer-immunity biomarkers as measured by a multiplex immunoassay.



Selected analytes from the Mouse Immuno-Oncology Checkpoint Protein Panel 1 (Cat. No. MCKP1-110K). Commercially sourced Swiss-Webster (n=12) and CD1 (n=6) normal mouse serum (n=18 total, magenta) and plasma samples (n=18 total, yellow) were run in the assay according to the protocol. Data was analyzed using BELYSA[®] Immunoassay Curve Fitting Software (Cat. No. 40-122). Standards and fitted curve are shown in blue.

Don't see your assay or analyte of interest?

For information regarding all available assays and custom assay development services, please visit **SigmaAldrich.com/milliplex**

MILLIPLEX[®] kits are manufactured in facilities which are ISO 9001:2015 compliant and are for research use only (RUO), not for use in clinical or for medical diagnostic purposes.

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