

QUALITY CONTROL RANGES



MILLIPLEX[®] MAP Human Immuno-Oncology Checkpoint Protein

Panel 1

Kit Catalog# HCKP1-11K

Control Catalog # HCKP1-6011

Lot# HCKP1-105 and HCKP1-205

<u>Cytokine</u>	<u>QC Level</u>	<u>Expected</u>	<u>Units</u>	<u>Cytokine</u>	<u>QC Level</u>	<u>Expected Range</u>	<u>Units</u>
BTLA	Control 1	956 – 1985	pg/mL	GITRL	Control 1	474 – 984	pg/mL
	Control 2	5895 – 12244	pg/mL		Control 2	3096 – 6430	pg/mL
CD27	Control 1	421 – 874	pg/mL	PD-1	Control 1	557 – 1157	pg/mL
	Control 2	2662 – 5528	pg/mL		Control 2	3351 – 6959	pg/mL
CD28	Control 1	4904 – 10186	pg/mL	CTLA-4	Control 1	282 – 586	pg/mL
	Control 2	30542 – 63433	pg/mL		Control 2	1529 – 3175	pg/mL
TIM-3	Control 1	105 – 218	pg/mL	CD80/B7-1	Control 1	259 – 538	pg/mL
	Control 2	653 – 1356	pg/mL		Control 2	1562 – 3244	pg/mL
HVEM	Control 1	48 – 100	pg/mL	CD86/B7-2	Control 1	1652 – 3431	pg/mL
	Control 2	296 – 615	pg/mL		Control 2	9825 – 20406	pg/mL
CD40	Control 1	102 – 213	pg/mL	PD-L1	Control 1	107 – 223	pg/mL
	Control 2	617 – 1281	pg/mL		Control 2	683 – 1419	pg/mL
GITR	Control 1	109 – 227	pg/mL	PD-L2	Control 1	976 – 2026	pg/mL
	Control 2	664 – 1379	pg/mL		Control 2	5834 – 12117	pg/mL
LAG-3	Control 1	2246 – 4665	pg/mL	ICOS	Control 1	955 – 1983	pg/mL
	Control 2	14337 – 29777	pg/mL		Control 2	6170 – 12815	pg/mL
TLR-2	Control 1	1423 – 2955	pg/mL				
	Control 2	8893 – 18471	pg/mL				

Note: The Quality Control Ranges are generated with overnight assay format using serum matrix provided in the kit. Quality Control values in culture media are not tested.

HCKP1-6011: HCKP1-105.205 (08 June 2023)

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