

QUALITY CONTROL RANGES



MILLIPLEX[®] MAP Human Immuno-Oncology Checkpoint Protein Magnetic Bead Panel Kit Catalog# HCKPMAG-11K Control Catalog # HCKP-6011 Lot# HICKP-102 and HICKP-202

<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	1007 – 2092	pg/mL	TLR-2	Control 1	1612 – 3348	pg/mL
	Control 2	6336 – 13160	pg/mL		Control 2	9698 – 20142	pg/mL
CD27	Control 1	466 – 967	pg/mL	GITRL	Control 1	503 – 1044	pg/mL
	Control 2	3002 – 6235	pg/mL		Control 2	3365 – 6988	pg/mL
CD28	Control 1	5289 – 10984	pg/mL	PD-1	Control 1	549 – 1140	pg/mL
	Control 2	32040 – 66544	pg/mL		Control 2	3309 – 6873	pg/mL
TIM-3	Control 1	108 – 224	pg/mL	CTLA-4	Control 1	287 – 596	pg/mL
	Control 2	660 – 1371	pg/mL		Control 2	1596 – 3315	pg/mL
HVEM	Control 1	53 – 111	pg/mL	CD80/B7-1	Control 1	276 – 572	pg/mL
	Control 2	325 – 675	pg/mL		Control 2	1642 – 3410	pg/mL
CD40	Control 1	107 – 223	pg/mL	CD86/B7-2	Control 1	1620 – 3365	pg/mL
	Control 2	632 – 1313	pg/mL		Control 2	9907 – 20576	pg/mL
GITR	Control 1	108 – 224	pg/mL	PD-L1	Control 1	112 – 232	pg/mL
	Control 2	666 – 1383	pg/mL		Control 2	678 – 1408	pg/mL
LAG-3	Control 1	2158 – 4482	pg/mL	ICOS	Control 1	1054 – 2189	pg/mL
	Control 2	14254 – 29605	pg/mL		Control 2	6413 – 13319	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.

HCKP-6011: HICKP-102.202 (02 Aug 2018)

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