

QUALITY CONTROL RANGES



MILLIPLEX® MAP Human Immuno-Oncology Checkpoint Protein Panel 1 Kit Catalog# HCKP1-11K Control Catalog # HCKP1-6011 Lot# HCKP1-103 and HCKP1-203

<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	822 – 1707	pg/mL	GITRL	Control 1	418 – 869	pg/mL
	Control 2	5043 – 10474	pg/mL		Control 2	2701 – 5610	pg/mL
CD27	Control 1	379 – 786	pg/mL	PD-1	Control 1	463 – 962	pg/mL
	Control 2	2430 – 5046	pg/mL		Control 2	2633 – 5469	pg/mL
CD28	Control 1	4226 – 8778	pg/mL	CTLA-4	Control 1	232 – 482	pg/mL
	Control 2	24854 – 51620	pg/mL		Control 2	1193 – 2478	pg/mL
TIM-3	Control 1	92 – 190	pg/mL	CD80/B7-1	Control 1	229 – 476	pg/mL
	Control 2	550 – 1142	pg/mL		Control 2	1325 – 2753	pg/mL
HVEM	Control 1	43 – 88	pg/mL	CD86/B7-2	Control 1	1374 – 2854	pg/mL
	Control 2	251 – 522	pg/mL		Control 2	7648 – 15885	pg/mL
CD40	Control 1	89 – 184	pg/mL	PD-L1	Control 1	92 – 190	pg/mL
	Control 2	527 – 1095	pg/mL		Control 2	564 – 1171	pg/mL
GITR	Control 1	65 – 142	pg/mL	PD-L2	Control 1	884 – 1836	pg/mL
	Control 2	477 – 991	pg/mL		Control 2	4862 – 10097	pg/mL
LAG-3	Control 1	1966 – 4363	pg/mL	ICOS	Control 1	840 – 1744	pg/mL
	Control 2	12052 – 25030	pg/mL		Control 2	5131 – 10657	pg/mL
TLR-2	Control 1	1301 – 2702	pg/mL				
	Control 2	7427 – 15426	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: HCKP1-103.203 (04 December 2020)

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