

Mouse 12-Plex Cytokine Kit

Performance



Table:

Median assay parameters from n = 20 validation experiments.

LoD = Limit of detection, LLOQ = Lower limit of quantification, ULOQ = Upper limit of quantification, DR = Logarithmic detection range. All values depicted in pg/mL

Analyte	LoD	LLOQ	ULOQ	DR
GM-CSF	0,3	1,3	800	2,9
IFN-γ	2,2	3,2	10000	4,0
IL-1β	13,2	16,0	10000	4,0
IL-2	5,2	12,0	7500	3,9
IL-4	11,4	24,0	3000	3,5
IL-5	5,0	16,0	10000	4,0
IL-6	2,7	14,4	9000	4,0
IL-10	6,6	32,0	20000	4,3
IL-12p70	13,8	32,0	20000	4,3
IL-13	8,4	32,0	20000	4,3
IL-17A	5,5	12,8	8000	3,9
TNF-α	15,6	48,0	30000	4,5

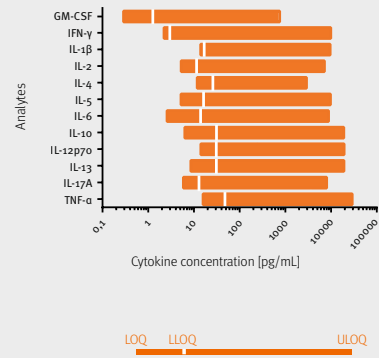
List of analytes:

GM-CSF, IFN-γ, IL-1β, IL-2, IL-4, IL-5, IL-6, IL-10, IL-12p70, IL-13, IL-17A, TNF-α

Figure:

Bar diagram depicting the median assay parameters shown in the table.

The orange bar represents the dynamic range of the assay from LoD (left border) to the ULOQ (right border). The LLOQ is depicted as a white line, n = 20 validation experiments.



Specifications

Species	Mouse	
Sample type	Serum and cell culture supernatant.	
Applications	The panel enables multiplexed quantification of the 12 listed biomarkers.	
Quality criteria	Precision Accuracy Cross reactivity	Intra Run CV: <10%; Inter Run CV: <20% Intra Run: 80-120%; Inter Run: 80-120% No cross reactivity between tested analytes observed.
Storage conditions	Store kit at 2-8°C Store separately delivered standard solution at -20°C	
Background	The LUNARIS™ Mouse 12-Plex Cytokine Kit is validated for quantitative analysis of soluble inflammatory markers involved in regulating differentiator and effector function of Th1/Th2 cells. It covers the cell-mediated immunity and humoral response, and changes caused by inflammation.	
Intended use	For Research Use Only. Not for use in diagnostic procedures.	

Ordering Information

MTP plate format	#LUNARIS™ BioChips	Cat.No.	#Samples in duplicates
96	1 × 32	LMCY-10120S	8
	3 × 32	LMCY-10120F	40
384	1 × 96	LMCY-20120S	40
	4 × 96	LMCY-20120F	184

For more information about our technology and products, please contact one of our specialists:

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