

Mouse 6-Plex T Cell Characterization Kit

Performance



Table

Median assay parameters from n = 14 experiments.
LoD = Limit of detection,
LLOQ = Lower limit of quantification ULOQ = Upper limit of quantification. All values depicted as pg/mL.

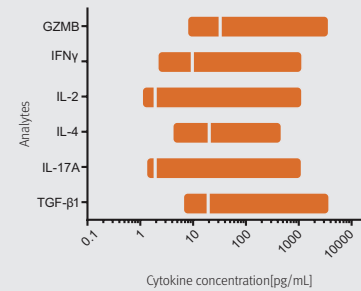
Analyte	LoD	LLOQ	ULOQ	DR
GZMB	6.8	32.0	4000	3.6
IFN-γ	1.9	9.6	1200	3.1
IL-2	1.0	1.9	1200	3.1
IL-4	3.9	20.0	500	2.7
IL-17A	1.2	1.9	1200	3.1
TGF-β1	5.9	19.2	4000	3.6

List of analytes:

Granzyme B (GZMB), IFN-γ, IL-2, IL-4, IL-17A, TGF-β1

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 white line. n = 14 validation experiments.



Specifications

Species	Mouse						
Sample type	Cell culture supernatant						
Applications	The panel enables multiplexed quantification of the 6 listed biomarkers.						
Quality criteria	<table border="0"> <tr> <td>Precision</td> <td>Intra Run CV: <10%; Inter Run CV: <20%</td> </tr> <tr> <td>Accuracy</td> <td>Intra Run: 80-120%; Inter Run: 80-120%</td> </tr> <tr> <td>Cross reactivity</td> <td>No cross reactivity between tested analytes observed.</td> </tr> </table>	Precision	Intra Run CV: <10%; Inter Run CV: <20%	Accuracy	Intra Run: 80-120%; Inter Run: 80-120%	Cross reactivity	No cross reactivity between tested analytes observed.
Precision	Intra Run CV: <10%; Inter Run CV: <20%						
Accuracy	Intra Run: 80-120%; Inter Run: 80-120%						
Cross reactivity	No cross reactivity between tested analytes observed.						
Storage conditions	Store kit reagents at 2-8°C Store separately delivered standard solution at -20°C						
Background	The LUNARIS™ Mouse 6-Plex T Cell Characterization Kit is validated for quantitative analysis of soluble T Cell specific biomarkers to identify Th1 (IFN-γ), Th2 (IL-4), Th17 (IL-17A), Treg (TGF-β1), and cytotoxic T Cells Granzyme B). Biomarkers are relevant in research areas such as infection biology, autoimmune diseases and cancer.						
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	LMTC-10060S	8
	3 × 32	LMTC-10060F	40
384	1 × 96	LMTC-20060S	40
	4 × 96	LMTC-20060F	184

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

www.ayoxxa.com

HEADQUARTERS GERMANY

AYOXXA Biosystems GmbH
BioCampus Cologne
Nattermannallee 1,
50829 Köln, Germany
Phone: +49 (0)221 222 529-0
E-Mail: sales@ayoxxa.com

USA

AYOXXA Biosystems Inc.
1 Broadway
Cambridge, MA 02142 USA
Phone: +1 617-599 5545
E-Mail: sales@ayoxxa.com

SINGAPORE

AYOXXA Living Health
Technologies Pte Ltd
2 Jurong East Street 21
#04-20 IMM Building
Singapore 609601
Phone: +65 9148 9709
E-Mail: sales@ayoxxa.com