Maxpar Human T Cell Immuno-Oncology EX Panel Kit

Deeply profile T cell phenotypes and function in checkpoint response

FLUIDIGM®

The Maxpar® Human T Cell Immuno-Oncology EX Panel Kit together with the Human T Cell Phenotyping Panel Kits enables comprehensive identification of all major T cell subsets, and for determining activation, homing status and checkpoint molecule expression in these subtypes. Designed for use with mass cytometry, which can measure over 40 parameters in each cell with little to no signal overlap, these panels can reveal highly valuable information from even very limited biological samples.

These kits are provided as a modular panel system. You can easily combine all three panels for complete coverage or flexibly customize individual panel sets using your own markers. With access to 600 preconjugated antibodies, custom conjugation options, standardized protocols and expert field applications support, you can use mass cytometry to power your next immuno-oncology breakthrough.

Highlights

Comprehensive– Simultaneously profile T cell subpopulations across 34 highly informative markers, including checkpoint response.

Powerful–Acquire valuable information from limited or precious samples.

Flexible–Easily combine one or more panels or add new markers to customize.

Maxpar Human T Cell Panel Kits

Maxpar Human T Cell Phenotyping Panel Kit		Maxpar Human T Cell Phenotyping EX Panel Kit		Maxpar Human T Cell Immuno-Oncology EX Panel Kit
CCR7	CD44	CCR4	CD49D	CD137 (4-1BB)
CD11a	CD45	CCR5	CD5	CD95
CD127	CD45RA	CD161	CD7	CTLA-4
CD16	CD45RO	CD2	CD9	ICOS
CD25	CD57	CD28	CXCR3	LAG3
CD27	CD69			OX40
CD3	CD8			PD-1
CD4	HLA-DR			TIM-3

Table 1. Maxpar Human T Cell Panel Kits. Each panel kit can be purchased separately or as a set. The Maxpar Complete Human T Cell Immuno-Oncology Panel Set contains all 3 of the panel kits shown. The Maxpar Basic Human T Cell Immuno-Oncology Panel Set contains both the Maxpar Human T Cell Phenotyping Panel Kit and the Maxpar Human T Cell Immuno-Oncology EX Panel Kit.

A comprehensive approach to T cell profiling

		Maxpar Human T Cell Immuno-Oncology Panel Sets and Kits		
		Complete Panel Set	Basic Panel Set	EX Panel Kit
Set components	Maxpar Human T Cell Phenotyping Panel Kit	1 kit	1 kit	
	Maxpar Human T Cell Phenotyping EX Panel Kit	1 kit		
	Maxpar Human T Cell Immuno-Oncology EX Panel Kit	1 kit	1 kit	1 kit
No. of markers	No. of markers	34	24	8
	Available labels for new markers	3	13	29
T cell markers	Distinguish naïve and central memory CD4+ and CD8+ cells	✔	✔	
	Detect effector and effector memory CD4+ and CD8+ cells	✔	✔	
	Identify naïve and memory Tregs	✔		
	Identify Th1 and Th2 cells	✔		
	Measure activation and homing status	✔	✔	
	Detect changes in checkpoint response	✔	✔	✔
Catalog number		201322	201323	201321

Table 2. **Comprehensive T cell profiling with flexible design options.** Combine panels for complete coverage or add new markers for customization. Kits contain all the reagents needed to run a CyTOF® experiment, including buffers optimized for staining and a nucleic acid intercalator used for single-cell identification.

Learn more about immuno-oncology Maxpar mass cytometry panels at

fluidigm.com/iomasscyto

FLUIDIGM