

Maxpar[®] Human T Cell Phenotyping Expansion Panel Kit

Catalog#: 201307
Package Size: 25 tests

Storage:

- Antibodies, Buffers, and Water: 4°C. Do not freeze.
- Intercalator-Ir: -20°C.

Contents:

- Maxpar[®] Cell Staining Buffer (500 mL)
- Maxpar[®] Fix and Perm Buffer (25 mL)
- Maxpar[®] Water (500 mL)
- Cell-ID[™] Intercalator-Ir (125 µM; 25 µL)
- Maxpar[®] Antibodies (see table for panel)**

** The antibodies are provided in individual tubes, not a premixed cocktail.

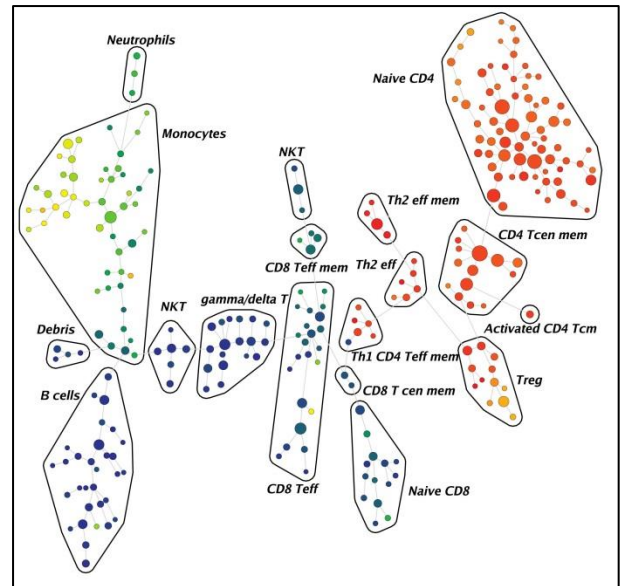
Target	Clone	Metal	Target	Clone	Metal
CD2	TS1/8	151Eu	CD49d	9F10	141Pr
CD5	UCHT2	143Nd	CD161	HP-3G10	164Dy
CD7	CD7-6B7	147Sm	CCR4	205410	158Gd
CD9	SN4 C3-3A2	171Yb	CCR5	NP-6G4	144Nd
CD28	CD28.2	160Gd	CXCR3	G025H7	156Gd

Technical Information

Description: The Maxpar[®] Human T Cell Expansion Kit is designed for use with fresh or frozen human whole blood or PBMCs in combination with the Human T Cell Phenotyping Panel Kit. The kit contains all the reagents needed to run a CyTOF[®] experiment including buffers optimized for staining and a nucleic acid intercalator used for single cell identification. When combined with the 16 antibodies in the Human T Cell Kit, the 10 antibodies in the Human T Cell Expansion Kit allow for comprehensive identification of all major T Cell subsets including naïve, central memory, effector, and effector memory CD4+ and CD8+ cells, naïve and memory Tregs, TH1 and TH2 cells and to classify the activation and homing status of these subtypes.

Recommended Usage: Human whole blood or PBMCs isolated by standard techniques are stained according to the Maxpar[®] Cell Surface Staining Protocol. Data collection is performed on a CyTOF[®] mass cytometer.

Analysis: The .fcs files created can be analyzed by most programs designed for .fcs file analysis. An example analysis, "Human PBMC Basic Panel" is available for reference at Fluidigm.Cytobank.org. (Results will vary due to donor and staining condition differences.)



PBMCs stained with Maxpar[®] Human T cell kit and Human T cell Expansion kit. Node size represents number of cells, color represents CD4 expression level.

For technical support visit fluidigm.com/support

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