Maxpar Human T-Cell Phenotyping Expansion Panel Kit, 10 Marker—25 Tests

Catalog: 201307
Package size: 25 tests

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 Metal-Conjugated Antibodies (see table for panel)*

* The antibodies are provided in individual tubes, not a pre-mixed cocktail.

Technical Information

Description: The Maxpar Human T-Cell Phenotyping Expansion Panel Kit is designed for use with fresh or frozen human whole blood or PBMC in combination with the Maxpar Human T-Cell Phenotyping Panel Kit. When combined with the 16 antibodies in the Maxpar Human T-Cell Phenotyping Panel Kit, the 10 antibodies in the Maxpar Human T-Cell Phenotyping Expansion Panel Kit allow for comprehensive identification of all major T-cell subsets including naive, central memory, effector, and effector memory CD4+ and CD8+ cells, naive and memory T REG, T H1 and T H2 cells and to classify the activation and homing status of these subtypes.

Recommended usage: Human whole blood or PBMC isolated by standard techniques are stained according to the Maxpar Cell Surface Staining Protocol. The kit contains buffers optimized for staining and a nucleic acid intercalator used for single-cell identification. Additional materials and equipment may be required for cell staining and acquisition. Please refer to 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, Fluidigm Basic Human PBMC Panel, is available for reference at Premium.Cytobank.org. (Results will vary due to donor and staining condition differences.)

For technical support visit http://techsupport.fluidigm.com. For general support visit http://www.fluidigm.com/support.

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Suggested gating strategy:

- B cells
- Monocytes
- CD16+ mDCs
- NK cells
- CD4 Tcm
- CD4 Tem
- CD4 Tnaive
- CD4 Type 1 effector (Th1)
- CD4 Type 2 effector (Th2)
- CD4 Type 0 effector (Th0)
- CD8 Tcm
- CD8 Tem
- CD8 Tnaive
- CD8 Type 1 effector (Tc1)
- CD8 Type 2 effector (Tc2)
- CD8 Type 0 effector (Tc0)

Overall marker expression (includes markers from Human T Cell Phenotyping Panel Kit)

Ratio of transformed median (versus column's minimum)