

# Maxpar Human T-Cell Phenotyping Panel Kit, 16 Marker—25 Tests

Catalog: 201305  
 Package size: 25 tests

**Storage:**

- Antibodies, buffers, and water: 4 °C. Do not freeze.
- Cell-ID 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 Metal-Conjugated Antibodies (see table for panel)\*

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

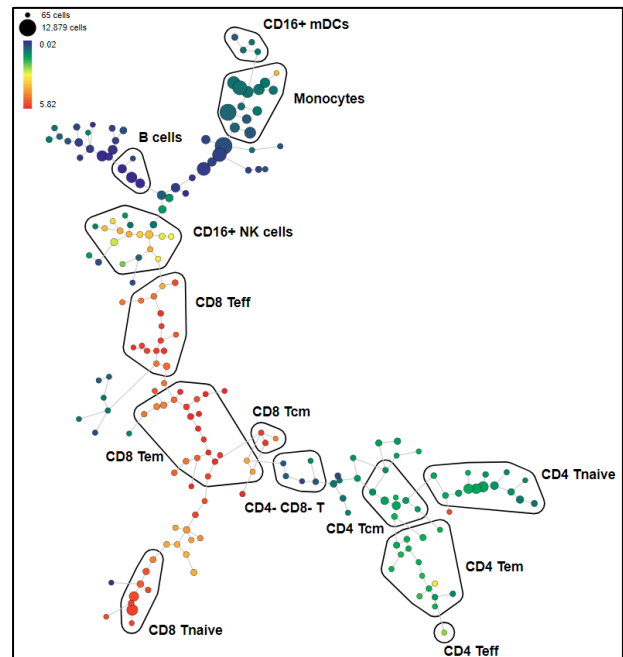
Target	Clone	Metal	Target	Clone	Metal
CD11a	HI111	142Nd	CD45RO	UCHL1	165Ho
CD4	RPA-T4	145Nd	CD44	BJ18	166Er
CD8a	RPA-T8	146Nd	CD27	O323	167Er
CD16	3G8	148Nd	CD45RA	HI100	169Tm
CD25	2A3	149Sm	CD3	UCHT1	170Er
CD45	HI30	154Sm	CD57	HCD57	172Yb
CCR7	G043H7	159Tb	HLA-DR	L243	174Yb
CD69	FN50	162Dy	CD127	A019D5	176Yb

## Technical Information

**Description:** The Maxpar Human T-Cell Phenotyping Panel Kit is designed for use with fresh or frozen human whole blood or PBMC. The 16 antibodies in the kit allow for the identification of all major T-cell subsets including naive, central memory, effector, and effector memory CD4+ and CD8+ cells, and also 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](http://Premium.Cytobank.org). (Results will vary due to donor and staining condition differences.)



**PBMC stained with the Maxpar Human T-Cell Phenotyping Panel Kit. Node size represents number of cells. Color represents CD8 expression level.**

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

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