

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

Catalog: 201307  
 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.

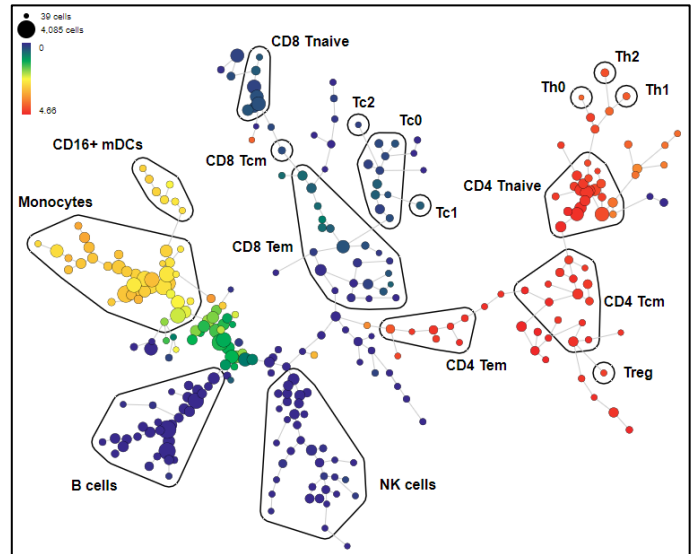
Target	Clone	Metal	Target	Clone	Metal
CD2	TS1/8	151Eu	CD49d	9F10	141Pr
CD5	UCHT2	143Nd	CD161	HP-3G10	164Dy
CD7	CD7-6B7	147Sm	CCR4	L291H4	158Gd
CD9	SN4 C3-3A2	171Yb	CCR5	NP-6G4	144Nd
CD28	CD28.2	160Gd	CXCR3	G025H7	156Gd

## Technical Information

**Description:** The Maxpar Human T-Cell 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<sub>REG</sub>, T<sub>H1</sub> and T<sub>H2</sub> 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](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 and the Maxpar Human T Cell Phenotyping Expansion Panel Kit. Node size represents number of cells. Color represents CD4 expression level.**

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

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**Suggested gating strategy:**

