

# Maxpar<sup>®</sup> Human Peripheral Blood Phenotyping Panel Kit

Catalog#: 201304  
Package Size: 25 tests

**Storage:**

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

**Contents:**

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

Target	Clone	Metal	Target	Clone	Metal
CD3	UCHT1	170Er	CD38	H1T2	172Yb
CD4	RPA-T4	145Nd	CD45	H130	154Sm
CD8a	RPA-T8	146Nd	CD45RA	H1100	169Tm
CD11c	Bu15	159Tb	CD61	VI-PL2	165Ho
CD14	M5E2	160Gd	CD66	CD66a-B1.1	149Sm
CD16	3G8	148Nd	CD123	6H6	151Eu
CD19	H1B19	142Nd	CD235a/b	HIR2	141Pr
CD20	2H7	147Sm	HLA-DR	L243	174Yb
CD27	O323	167Er			

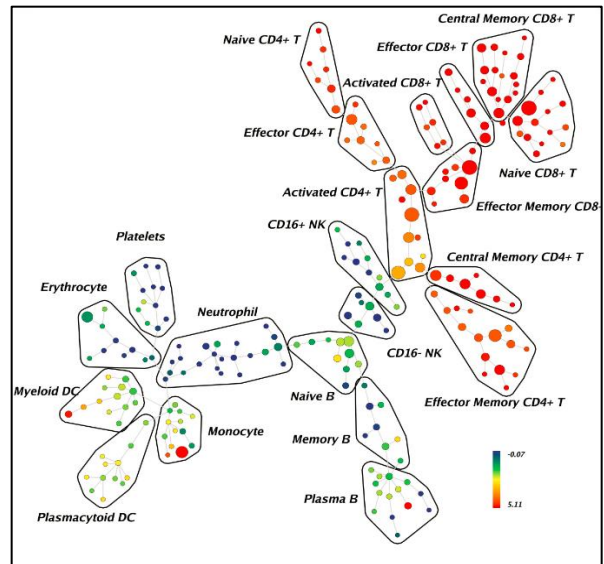
\*\* The antibodies are provided in individual tubes, not a premixed cocktail.

## Technical Information

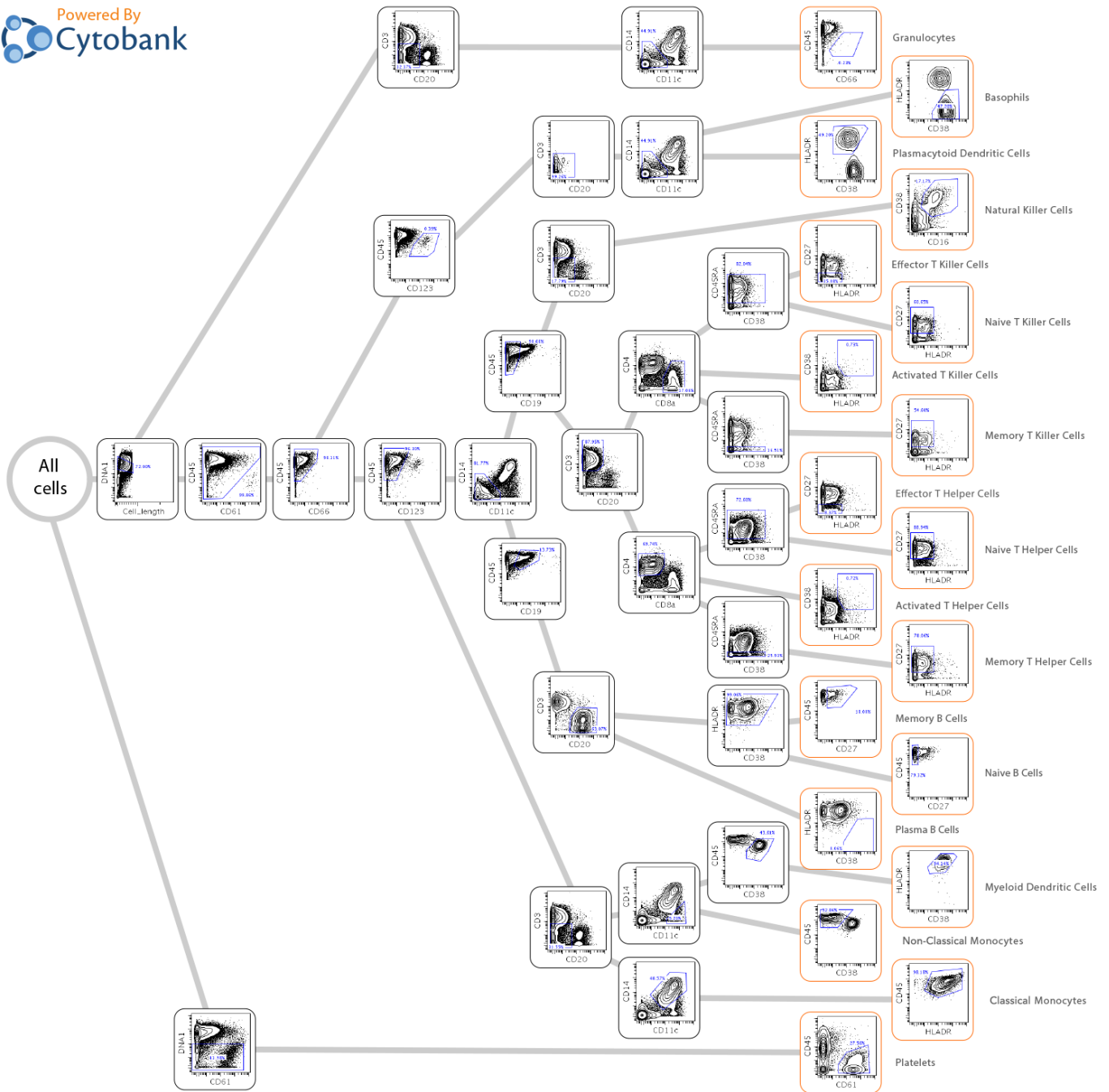
**Description:** The Maxpar<sup>®</sup> Human Peripheral Blood Phenotyping Panel Kit is designed for use with fresh or frozen human whole blood or PBMCs. The kit contains all the reagents needed to run a CyTOF experiment including buffers optimized for staining and a nucleic acid intercalator used for single cell identification. The 17 antibodies in the kit allow for the identification of all major peripheral blood cellular subsets including Granulocytes, Basophils, Plasmacytoid Dendritic Cells, Natural Killer Cells, Effector T Killer Cells, Naïve T Killer Cells, Activated T Killer Cells, Memory T Killer Cells, Effector T Helper Cells, Naïve T Helper Cells, Activated T Helper Cells, Memory T Helper Cells, Memory B Cells, Naïve B Cells, Plasma B Cells, Myeloid Dendritic Cells, Non-Canonical Monocytes Canonical Monocytes and Platelets (see gating strategy on back).

**Recommended Usage:** Human whole blood or PBMCs isolated by standard techniques are stained according to the Maxpar<sup>®</sup> Cell Surface Staining Protocol. Data collection is performed on a CyTOF<sup>®</sup> 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<sup>®</sup> Hu PB Phenotyping Panel Kit. Node size represents number of cells, color represents CD3 expression level.**



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PBMCs stained with Maxpar® Human Peripheral Blood Phenotyping Panel Kit were collected on a CyTOF® mass cytometer. The resulting .fcs file was uploaded and analyzed according to the gating hierarchy shown above using Fluidigm.Cytobank.org.

**For technical support visit [fluidigm.com/support](http://fluidigm.com/support)**

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