

Maxpar Human Peripheral Blood Phenotyping Panel Kit, 17 Marker–25 Tests

Catalog: 201304

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 premixed cocktail.

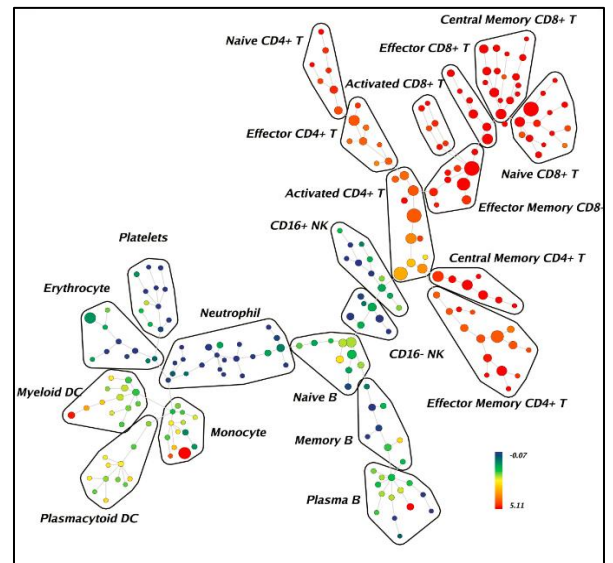
Target	Clone	Metal	Target	Clone	Metal
CD3	UCHT1	170Er	CD38	HIT2	172Yb
CD4	RPA-T4	145Nd	CD45	HI30	154Sm
CD8a	RPA-T8	146Nd	CD45RA	HI100	169Tm
CD11c	Bu15	159Tb	CD61	VI-PL2	165Ho
CD14	M5E2	160Gd	CD66a	CD66a-B1.1	149Sm
CD16	3G8	148Nd	CD123	6H6	151Eu
CD19	HIB19	142Nd	CD235a/b	HIR2	141Pr
CD20	2H7	147Sm	HLA-DR	L243	174Yb
CD27	O323	167Er			

Technical Information

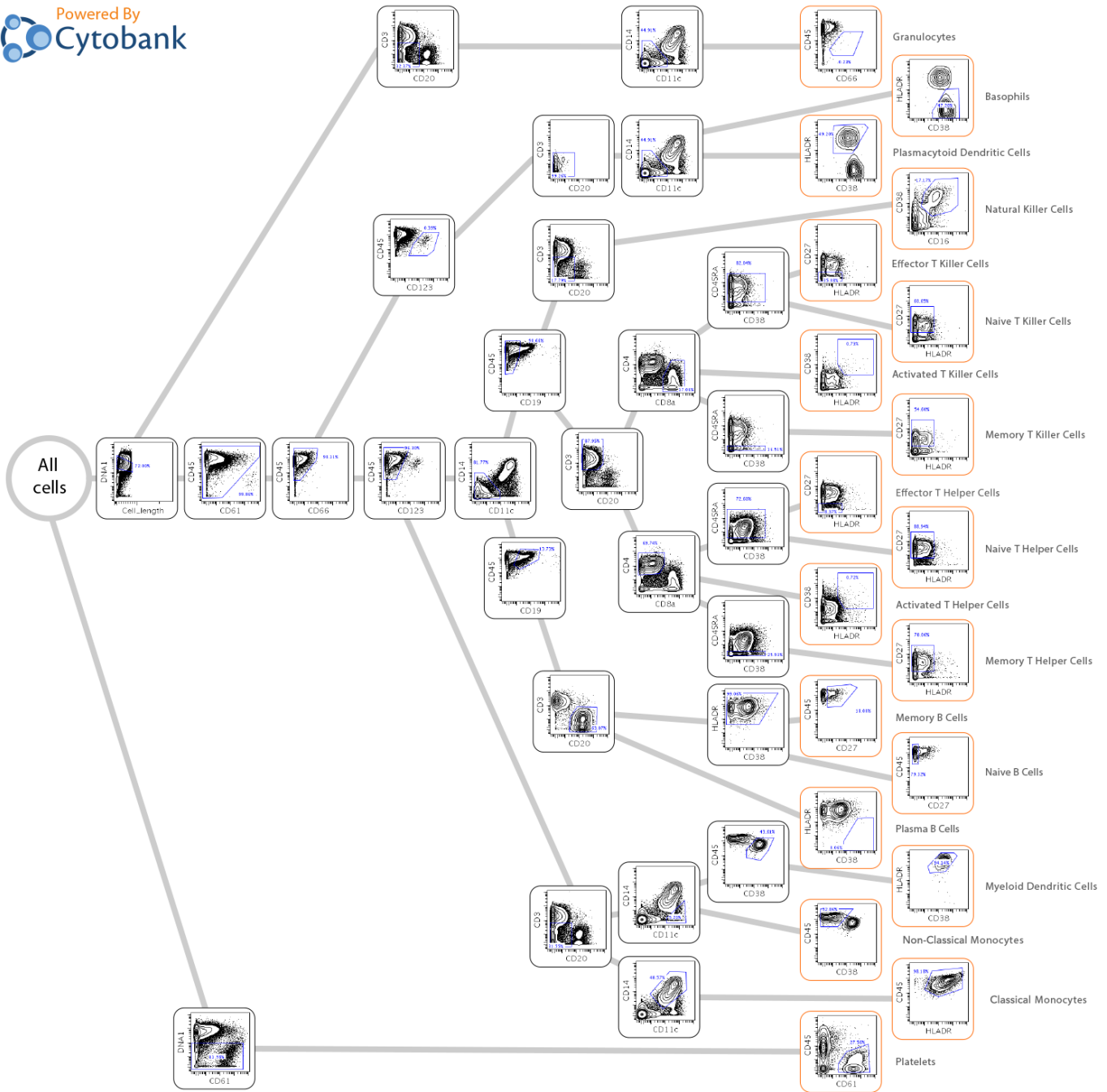
Description: The Maxpar Human Peripheral Blood Phenotyping Panel Kit is designed for use with fresh or frozen human whole blood or PBMC. The 17 antibodies in the kit allow for the identification of all major peripheral blood cellular subsets including granulocytes, basophils, plasmacytoid dendritic cells, natural killer cells, effector T killer cells, naive T killer cells, activated T killer cells, memory T killer cells, effector T helper cells, naive T helper cells, activated T helper cells, memory T helper cells, memory B cells, naïve B cells, plasma B cells, myeloid dendritic cells, non-classical monocytes, classical monocytes, and platelets (see gating strategy on back).

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.)



PBMC stained with Maxpar Human Peripheral Blood Phenotyping Panel Kit. Node size represents number of cells. Color represents CD3 expression level.



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PBMC stained with the 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 <http://techsupport.fluidigm.com>. For general support visit <http://www.fluidigm.com/support>.

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