

Maxpar Human Hematopoietic Stem and Progenitor Cell Phenotyping Expansion Panel Kit, 7 Marker—25 Tests

Catalog: 201311
 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 antibodies (see table for panel)*

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

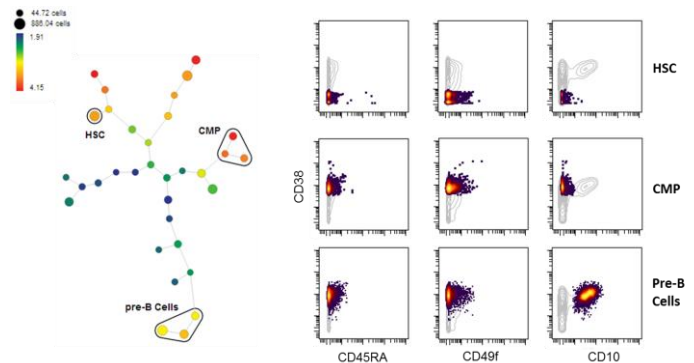
Target	Clone	Metal
CD10	HI10a	156Gd
CD13	WM15	152Sm
CD34	581	166Er
CD49f	G0H3	164Dy
CD117	104D2	143Nd
CD138	DL-101	168Er
CD184/CXCR4	12G5	175Lu

Technical Information

Description: The Maxpar Human Hematopoietic Stem and Progenitor Cell (HSPC) Phenotyping Expansion Panel Kit is for the identification and phenotyping of hematopoietic progenitor populations, including hematopoietic stem cells (HSC), within human bone marrow and cord blood. It is designed to be used with the Maxpar Human Peripheral Blood Phenotyping Panel Kit so that lineage-positive cells can be excluded from gating strategies.

Recommended Usage: For staining with the Maxpar Human HSPC Phenotyping Expansion Panel Kit, cells should be prepared using standard techniques and 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.)



Human bone marrow mononuclear cells were stained with both the Maxpar Human Peripheral Blood Phenotyping Panel Kit and the Maxpar Hematopoietic Stem and Progenitor Cell Phenotyping Expansion Panel Kit. The SPADE tree, displaying median CD34 expression, was generated from Lineage-CD34+ cells. The nodes containing hematopoietic stem cells (HSC), common myeloid progenitors (CMP) or pre-B cells are indicated. Expression of markers within these cell fractions is displayed in the contour plots in color, overlaid on expression in total cells indicated in grey.

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

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