

Maxpar Human Intracellular Cytokine I Panel Kit, 11 Marker—25 Tests

Catalog: 201308
 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)
- Maxpar Fix I Buffer (5X; 50 mL)
- Maxpar Perm-S Buffer (250 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.

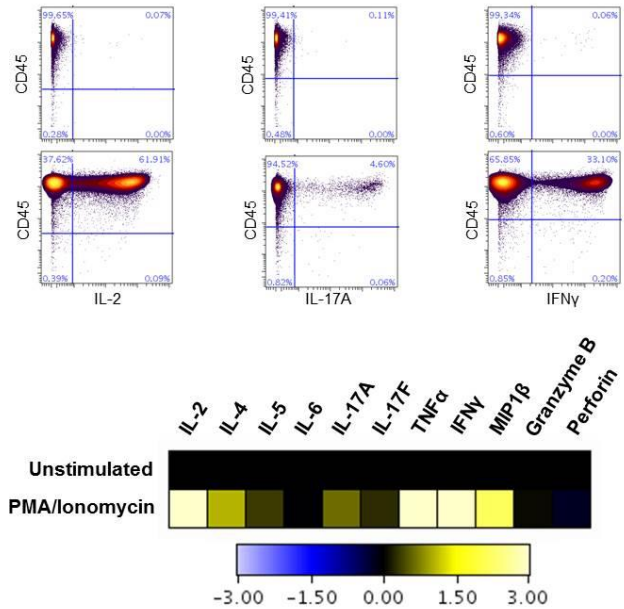
Target	Clone	Metal
IFN γ	B27	168Er
IL-2	MQ1-17H12	158Gd
IL-4	MP4-25D2	144Nd
IL-5	TRFK5	143Nd
IL-6	MQ2-13A5	156Gd
IL-17A	N49-653	164Dy
IL-17F	SHLR17	166Er
Granzyme B	GB11	171Yb
Perforin	B-D48	175Lu
MIP1 β	D21-1351	150Nd
TNF α	Mab11	152Sm

Technical Information

Description: The Maxpar Human Intracellular Cytokine I Panel Kit is designed for use with fresh or frozen human whole blood, PBMC or cell lines. This panel kit is compatible with the Maxpar Human Peripheral Blood Phenotyping Panel Kit to allow for the comprehensive immunophenotyping of cytokine-expressing cells.

Recommended usage: For staining with the Maxpar Human Intracellular Cytokine I Panel Kit, peripheral blood, PBMC, or cell lines should be prepared using standard techniques and stained according to the Maxpar Cytoplasmic/Secreted Antigen 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 Cytoplasmic/Secreted Antigen 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 Th17-polarized CD4+ T cells were incubated for 5 hours in media alone (top row of contour plots and heat map) or with PMA and ionomycin (bottom row of contour plots and heat map) in the presence of monensin and brefeldin A and then stained with the Maxpar Human Intracellular Cytokine I Panel Kit. The heat map, calculated as the difference of arcsinh-transformed 95th percentile, displays cytokine expression of all viable cells.

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

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