Maxpar® Human Intracellular Cytokine I Panel Kit

Catalog#: 201308
Package Size: 25 tests

Storage:
- Antibodies, Buffers, and Water: 4°C. Do not freeze.
- 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; 50ml)
- Maxpar® Perm-S Buffer (250 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.

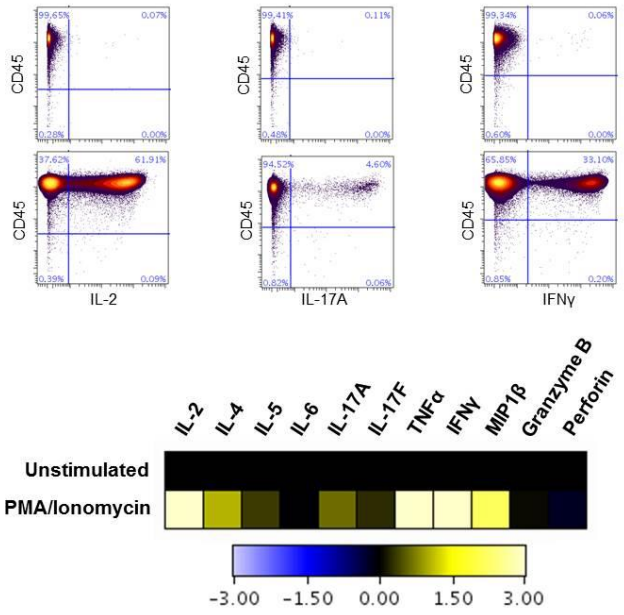
Target	Clone	Metal
IFNγ	B27	168Er
IL-2	MQ1-17H12	158Gd
IL-4	MP4-25D2	144Nd
IL-5	TRFK5	143Nd
IL-6	MQ2-13A5	156Gd
IL-17A	N49-653	164Dy
IL-17F	SHLR17	166Er
Granzyme B	GB11	171Yb
Perforin	B-D48	175Lu
MIP1β	D21-1351	150Nd
TNFα	Mab11	152Sm

Technical Information

Description: The Maxpar® Human Intracellular Cytokine Panel Kit is designed for use with fresh or frozen human whole blood, PBMCs or cell lines. The kit contains all the reagents needed for CyTOF® measurement of 11 major cytokines as well as cytolytic proteins, Granzyme B and Perforin. 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 Human Intracellular Cytokine Panel Kit, peripheral blood, PBMCs or cell lines should be prepared using standard techniques and stained according to the 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, "Human PBMC Basic Panel," is available for reference at Fluidigm.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 heatmap) or with PMA and Ionomycin (bottom row of contour plots and heatmap) in the presence of Monensin and Brefeldin A and then stained with the Maxpar® Human Intracellular Cytokine Panel Kit. The heatmap, calculated as the difference of arcsinh transformed 95th percentile, displays cytokine expression of all viable cells

For technical support visit fluidigm.com/support

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