Maxpar Mouse Intracellular Cytokine I Panel Kit, 8 Marker—25 Tests

Catalog: 201310
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.

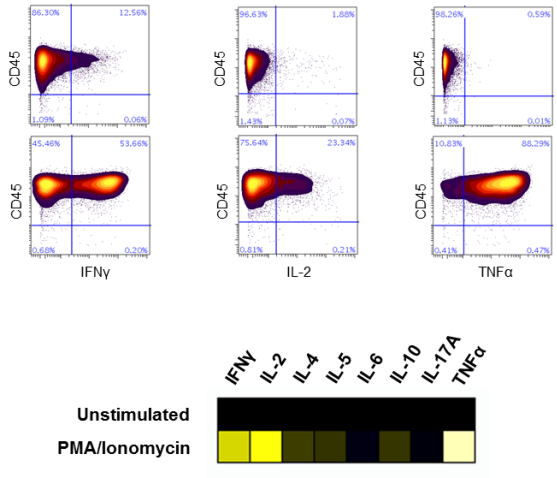
Target	Clone	Metal
IFNγ	XMG1.2	165Ho
IL-2	JES6-5H4	144Nd
IL-4	11B11	166Er
IL-5	TRFK5	143Nd
IL-6	MP5-20F3	167Er
IL-10	JES5-16E3	158Gd
IL-17A	TC11-18H10.1	174Yb
TNFα	MP6-XT22	162Dy

Technical Information

Description: The Maxpar Mouse Intracellular Cytokine I Panel Kit is designed for use with fresh or frozen sources of mouse leukocytes, including splenocytes, thymocytes, bone marrow, and lymph node cells, or cell lines. This panel kit is compatible with the Maxpar Mouse Spleen/Lymph Node Basic Phenotyping Panel Kit to allow for the comprehensive immunophenotyping of cytokine-expressing cells.

Recommended usage: For staining with the Mouse Intracellular Cytokine I Panel Kit, cells 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.)



Mouse splenocytes were stimulated for 3 days with plate-bound anti-CD3 and soluble anti-CD28, and then 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, followed by staining with the Maxpar Mouse Intracellular Cytokine I Panel Kit. The heat map, calculated as the difference of arcsinh transformed 95th percentile, displays cytokine expression on total viable cells.

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