

Maxpar[®] Mouse Intracellular Cytokine I Panel Kit

Catalog#: 201310
 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; 50 ml)
- Maxpar[®] Perm-S Buffer (250 ml)
- Cell-ID[™] Intercalator-Ir (125 µM; 25 µL)
- Maxpar[®] Antibodies (see table for panel)**

| Target | Clone | Metal |
|--------------|--------------|-------|
| IFN γ | 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 |
| TNF α | MP6-XT22 | 162Dy |

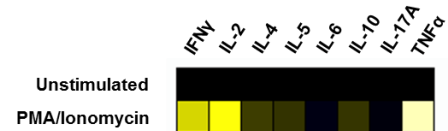
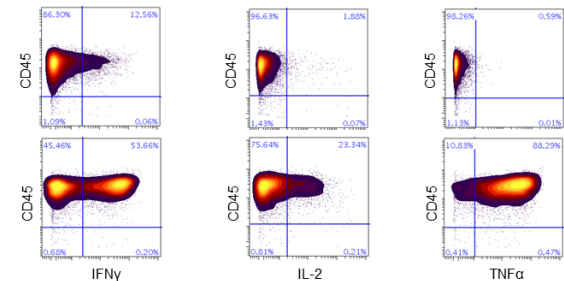
** The antibodies are provided in individual tubes, not a premixed cocktail.

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. The kit contains all the reagents needed for CyTOF[®] measurement of 8 major mouse cytokines. 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. 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.)



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 heatmap, calculated as the difference of arcsinh transformed 95th percentile, displays cytokine expression on total viable

For technical support visit fluidigm.com/support

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