

Maxpar[®] Mouse Spleen/Lymph Node Phenotyping Panel Kit

Catalog#: 201306
 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)
- 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.

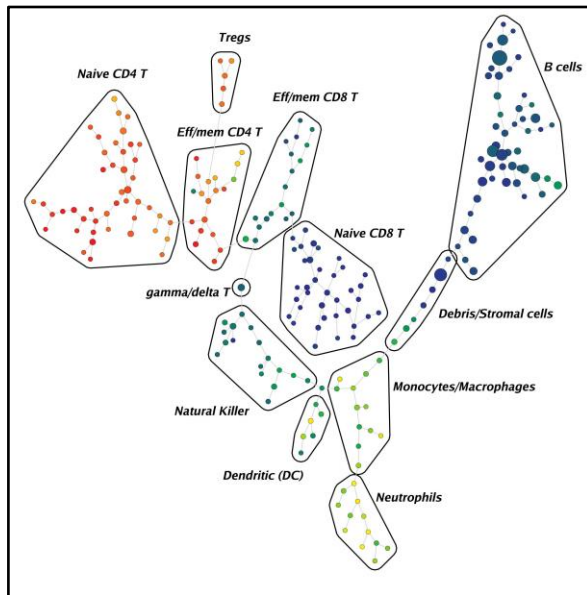
Target	Clone	Metal	Target	Clone	Metal
Ly6G/C (Gr1)	RB6-8C5	141Pr	TER-119	TER119	154Sm
CD11c	N418	142Nd	CD62L	MEL-14	160Gd
CD69	H1.2F3	145Nd	CD8a	53-6.7	168Er
CD45	30-F11	147Sm	TCRβ	H57-597	169Tm
CD11b (MAC1)	M1/70	148Nd	NK1.1	PK136	170Er
CD19	6D5	149Sm	CD44	IM7	171Yb
CD25	3C7	151Eu	CD4	RM4-5	172Yb
CD3e	145-2C11	152Sm	B220	RA3-6B2	176Yb

Technical Information

Description: The Maxpar[®] Mouse Spleen/Lymph Node Phenotyping Panel Kit is designed for use with fresh or frozen isolated mouse splenocytes and thymocytes. The kit contains all the reagents needed to run a CyTOF[®] experiment including buffers optimized for staining and a nucleic acid intercalator used for single cell identification. The 16 antibodies in the kit allow for the identification of all major Mouse Spleen/Lymph cellular subsets including effector CD4+ T, effector memory CD4+ T, central memory CD4+ T, activated CD4+ T, effector CD8+ T, effector memory CD8+ T, central memory CD8+ T, Tregs, plasmacytoid DC, myeloid DC, erythrocytes, macrophages, monocytes, NK cells and granulocytes.

Recommended Usage: Mouse splenocytes and thymocytes isolated by standard techniques are stained according to the 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, "Human PBMC Basic Panel" is available for reference at Fluidigm.Cytobank.org. (Results will vary due to sample and staining condition differences.)



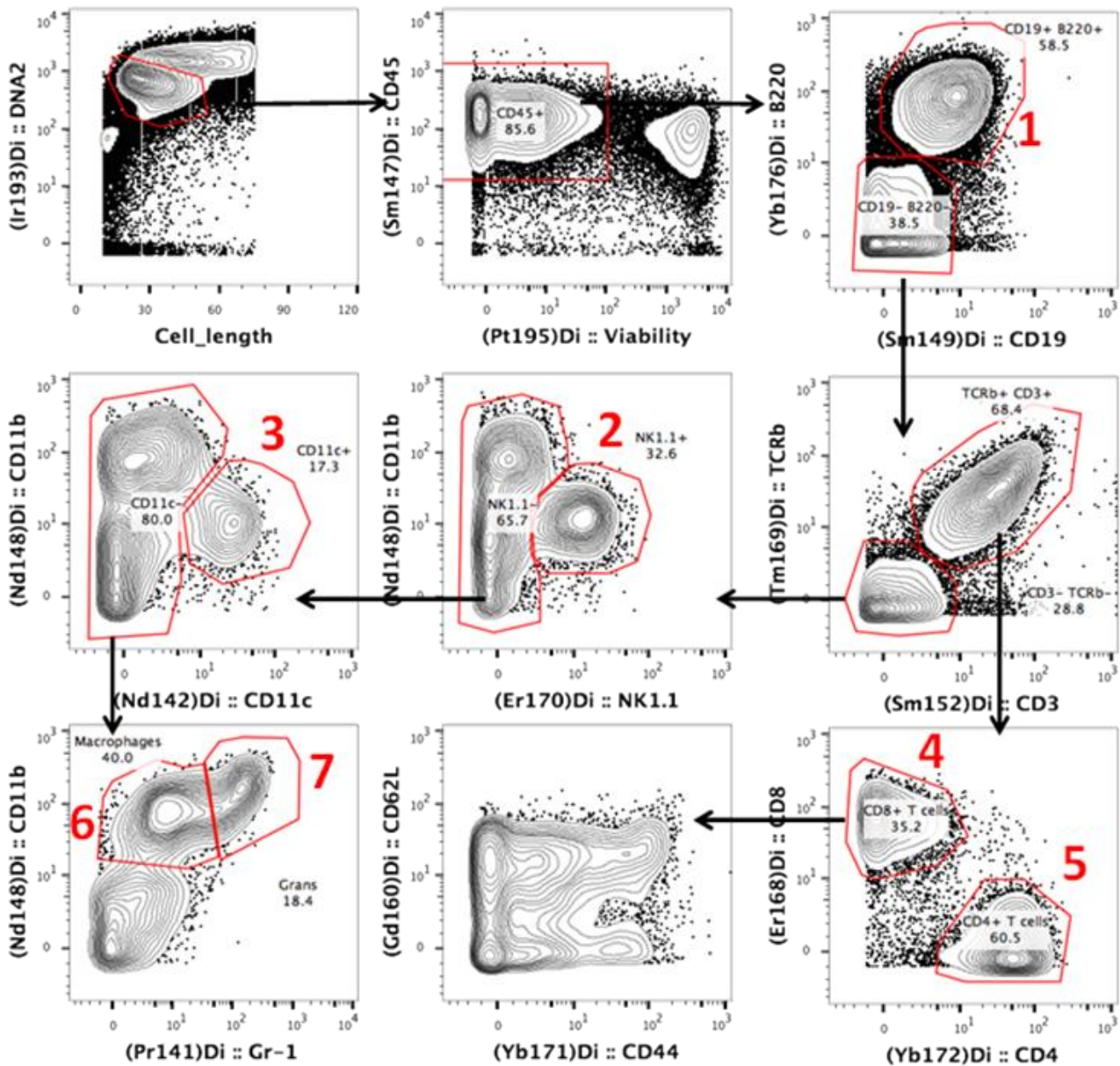
PBMCs stained with Maxpar[®] Ms Spleen/Lymph Node Phenotyping Panel Kit. Node size represents number of cells, color represents CD4 expression level.

For technical support visit fluidigm.com/support

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Mouse splenocytes were stained with the Maxpar® Mouse Spleen/Lymph Node Phenotyping Panel Kit and collected on a CyTOF® mass cytometer. B cells (1), NK cells (2), circulating DCs (3), CD8+ T Cells (4), CD4+ T Cells (5), Monocytes/Macrophages (6) and Granulocytes (7) are identified by the numbered gates. Data kindly provided by Bill O’Gorman.