SONY

Product Data Sheet

Biotin anti-mouse Lineage Panel

Catalog # / Size: 1266535 / 500 tests

Clone: 145-2C11, RB6-8C5, M1/70, RA3-6B2, Ter-119

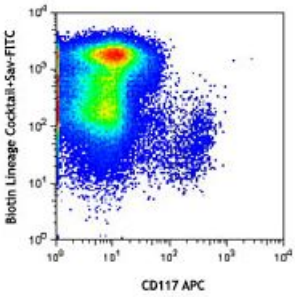
Isotype: Hamster IgG, Rat IgG2a, Rat IgG2b

Reactivity: Mouse

Preparation: The antibody was purified by affinity chromatography, and conjugated with biotin under optimal conditions.

Formulation: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 0.2% (w/v) BSA (origin USA).

Concentration: Lot-specific



C57BL/6 mouse bone marrow cells were stained with Biotin Lineage Cocktail, followed by Sav-FITC and CD117 APC.

Applications:

Applications: Flow Cytometry

Recommended Usage: Each lot of these antibodies is quality control tested by immunofluorescent staining with flow cytometric analysis. For flow cytometric staining, the suggested use of this reagent is 2 µl of each antibody per million cells or 2 µl of each antibody per 100 µl of whole blood. It is recommended that the reagent be titrated for optimal performance for each application.

Application References:

1. Morris SJ, *et al.* 1997. *Development.* 124(10):1929-1939
2. Okada S, *et al.* 1992. *Blood*180 (12):3044-3050
3. Spangrude GJ, *et al.* 1988. *Science* 241 (4861):58-62
4. Spangrude GJ, *et al.* 1990. *Exp Hematol.* 18 (8):920-926
5. Tan SL, *et al.* 2006. *J. Immunol.* 176:2872. PubMed
6. Ito R, *et al.* 2012. *Exp Hematol.* 40:953. PubMed.

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Description: The mouse lineage panel has been designed to react with cells from the major hematopoietic cell lineages, such as T lymphocytes, B lymphocytes, monocytes/macrophages, granulocytes, NK cells, and erythrocytes. The Biotin anti-mouse Lineage Panel is designed for the flow cytometric identification and immune-enrichment of hematopoietic progenitors in mouse bone marrow. Components include anti-mouse CD3, clone 145-2C11; anti-mouse Ly-6G/Ly-6C, clone RB6-8C5; anti-mouse CD11b, clone M1/70; anti-mouse CD45R/B220, clone RA3-6B2; anti-mouse TER-119/Erythroid cells, clone Ter-119.

Materials provided (one vial each):

Part No.	Description
79748	anti-mouse TER-119/Erythroid Cells
79749	anti-mouse CD11b
79750	anti-mouse Ly-6G/Ly-6C (Gr-1)
79751	anti-mouse CD3e
79752	anti-mouse CD45R/B220

Materials not provided:

1. Isotype Controls
2. Cell Staining Buffer (Cat. No. 420201)

Antigen References:

1. Morrison SJ, *et al.* 1997. *Development* 124:1929.
2. Okada S, *et al.* 1992. *Blood* 80:3044.
3. Spangrude GJ, *et al.* 1988. *Science* 241:58.
4. Spangrude GJ, *et al.* 1990. *Exp Hematol.* 18:920.
5. Tan SL, *et al.* 2006. *J. Immunol.* 176:2872.

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