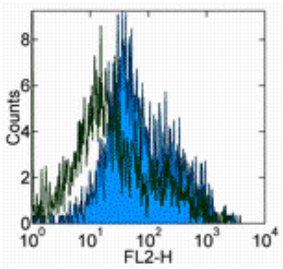
Anti-Mouse CD133 (Prominin-1) Purified

Catalog Number: 14-1331

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of BALB/c bone marrow cells with 0.5 ug of Rat IgG1 kappa Isotype Control Purified (cat. 14-4301) (open histogram) or 0.5 ug of Anti-Mouse CD133 (Prominin-1) Purified (filled histogram) followed by Anti-Rat IgG Biotin (cat. 13-4813) and Streptavidin PE (cat. 12-4317). Cells in the myeloid gate were used for analysis.

Product Information

Contents: Anti-Mouse CD133 (Prominin-1) Purified

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Clone: 13A4

Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C.

LOT **Batch Code:** Refer to Vial

Use By: Refer to Vial

Caution, contains Azide

Description

The 13A4 monoclonal antibody recognizes mouse Prominin-1 (sometimes also referred to as CD133 and, in the case of the human orthologue, as AC133), a 115-120 kDa pentaspan transmembrane (5-TM) domain glycoprotein. Prominin-1 is expressed on primitive cells such as hematopoietic stem and progenitor cells, neural & endothelial stem cells, retina and retinoblastoma, as well as developing epithelium. To date, the function and ligand of Prominin-1 are unknown. The 13A4 antibody does not cross react with rat, human, chicken, or *Drosophila* antigen but has been reported to work in canine/dog.

Applications Reported

The 13A4 antibody has been reported for use in flow cytometric analysis (~0.25-1 µg/million cells), immunoprecipitation (~10-25 µg/ml), immunoblotting (WB) (~1-5 µg/ml), and immunohistochemical staining (~1-10 µg/ml).

Applications Tested

The 13A4 antibody has been tested by flow cytometric analysis of mouse bone marrow cell suspensions. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

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14-4301 Rat IgG1 K Isotype Control Purified
17-4317 Streptavidin APC

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