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Anti-Mouse Embigin Purified

Catalog Number: 14-5839
RUO: For Research Use Only

Product Information

Contents: Anti-Mouse Embigin Purified
REF Catalog Number: 14-5839
Clone: G7.43.1
Concentration: 0.5 mg/mL
Host/Isotype: Rat IgG2b, κ

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

Description

This G7.43.1 monoclonal antibody reacts with mouse embigin (gp70), a single transmembrane glycoprotein that is a member of the Ig superfamily similar to basigin and EMMPRIN. It contains two Ig domains thought to be involved in cellular adhesion and tissue remodeling. Expression of embigin is high before day 10 in fetal development. In the adult it is expressed on myeloid cells and T cells but not B cells. During hematopoeisis, embigin is expressed on HSCs and CLPs (common lymphoid progenitors) but absent on pro- and pre-B cells. In recent studies Pax 5 has been shown to repress embigin expression.

Applications Reported

This G7.43.1 antibody has been reported for use in flow cytometric analysis and immunohistology staining of frozen tissue sections.

Applications Tested

This G7.43.1 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 µg per test. A test is defined as the amount (ug) 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

Pridans C, Holmes ML, Polli M, Wettenhall JM, Dakic A, Corcoran LM, Smyth GK, Nutt SL. Identification of Pax5 target genes in early B cell differentiation. J Immunol. 2008 Feb 1;180(3):1719-28. (G7.43.1, FC, IHC frozen, PubMed)

Huang RP, Ozawa M, Kadomatsu K, Muramatsu T. Embigin, a member of the immunoglobulin superfamily expressed in embryonic cells, enhances cell-substratum adhesion. Dev Biol. 1993 Feb;155(2):307-14.

Related Products

14-4031 Rat IgG2b K Isotype Control Purified

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