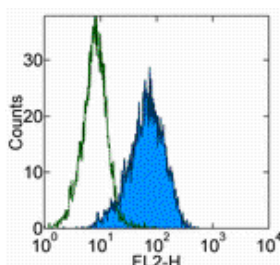


Anti-Mouse Endomucin Purified

Catalog Number: 14-5851

Also Known As: EMCN, EMCN2

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



Staining of bEnd.3 cell line with 0.5 ug of Rat IgG2a K Isotype Control Purified (cat. 14-4321) (open histogram) or 0.5 ug of Anti-Mouse Endomucin Purified (filled histogram) followed by F(ab')₂ Anti-Rat IgG PE (cat. 12-4822). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse Endomucin Purified

REF Catalog Number: 14-5851

Clone: eBioV.7C7 (V.7C7)


Concentration: 0.5 mg/mL

Host/Isotype: Rat IgG2a

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

 Contains sodium azide

Description

The eBioV.7C7 monoclonal antibody reacts with mouse endomucin, which was identified in a search for cell-surface expressed endothelial cell markers. Endomucin is a 75 kDa type I integral membrane protein, with similarities to the sialomucin family of proteins including extensive O-linked glycosylation. Endomucin is expressed on endothelial cells, however, an exception is the high endothelial venules (HEV) of secondary lymphoid organs. In addition, it has been demonstrated that endomucin is expressed on CD34-c-Kit+Sca-1+Lin- hematopoietic progenitors, and that these cells are capable of multi-lineage long-term reconstitution of the hematopoietic compartment.

Applications Reported

This eBioV.7C7 (V.7C7) antibody has been reported for use in flow cytometric analysis, immunoprecipitation, immunoblotting (WB), and immunohistology staining of paraffin embedded tissue sections.

Applications Tested

This eBioV.7C7 (V.7C7) antibody has been tested by flow cytometric analysis of bEnd.3 cells. 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 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Matsubara A, Iwama A, Yamazaki S, Furuta C, Hirasawa R, Morita Y, Osawa M, Motohashi T, Eto K, Ema H, Kitamura T, Vestweber D, Nakauchi H. Endomucin, a CD34-like sialomucin, marks hematopoietic stem cells throughout development. *J Exp Med*. 2005 Dec 5;202(11):1483-92. (V.7C7, FC, PubMed)

Morgan SM, Samulowitz U, Darley L, Simmons DL, Vestweber D. Biochemical characterization and molecular cloning of a novel endothelial-specific sialomucin. *Blood*. 1999 Jan 1;93(1):165-75. (V.7C7, mAb development, IP, IHC, WB, FC, PubMed)

Related Products

11-4811 Anti-Rat IgG FITC

12-4822 F(ab')₂ Anti-Rat IgG PE (polyclonal)

14-4321 Rat IgG2a K Isotype Control Purified (eBR2a)

