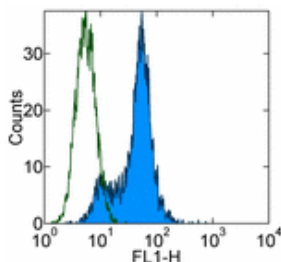


Anti-Mouse JAML Purified

Catalog Number: 14-5666

Also Known As: Junctional Adhesion Molecule-Like, AMICA

RUO: For Research Use Only



Staining of mouse JAML-transfected CHO cells with 0.5 μ g of Armenian Hamster IgG Isotype Control Purified (cat. 14-4888) (open histogram) or 0.5 μ g of Anti-Mouse JAML Purified (filled histogram) followed by Anti-Armenian Hamster IgG FITC (cat. 11-4111). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse JAML Purified


REF Catalog Number: 14-5666

Clone: eBio4E10 (4E10)


Concentration: 0.5 mg/ml


Host/Isotype: Armenian Hamster IgG

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 eBio4E10 monoclonal antibody reacts with mouse JAML (junctional adhesion molecule-like protein), also known as AMICA. JAML is a glycosylated membrane protein possessing two Ig-like domains in its extracellular domain. JAML is expressed on polymorphonuclear leukocytes (PMN), and is involved in the transmigration of such cells through epithelial tight junctions via interactions between JAML and epithelial coxsackie and adenovirus receptor (CAR). JAML is also expressed on lymphocyte subsets, such as $\gamma\delta$ T cell lines, and can provide co-stimulatory signals for cell activation.

Applications Reported

This eBio4E10 antibody has been reported for use in flow cytometric analysis and immunoprecipitation.

Applications Tested

This eBio4E10 (4E10) antibody has been tested by flow cytometric analysis of mouse lysed whole blood. This can be used at less than or equal to 1 μ g per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. 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

Witherden DA, Verdino P, Rieder SE, Garijo O, Mills RE, Teyton L, Fischer WH, Wilson IA, Havran WL. The junctional adhesion molecule JAML is a costimulatory receptor for epithelial gammadelta T cell activation. *Science*. 2010 Sep 3;329(5996):1205-10. (Pubmed)

Zen K, Liu Y, McCall IC, Wu T, Lee W, Babbin BA, Nusrat A, Parkos CA. Neutrophil migration across tight junctions is mediated by adhesive interactions between epithelial coxsackie and adenovirus receptor and a junctional adhesion molecule-like protein on neutrophils. *Mol Biol Cell*. 2005 Jun;16(6):2694-703. (PubMed)

Moog-Lutz C, Cave-Riant F, Guibal FC, Breau MA, Di Gioia Y, Couraud PO, Cayre YE, Bourdoulous S, Lutz PG. JAML, a novel protein with characteristics of a junctional adhesion molecule, is induced during differentiation of myeloid leukemia cells. *Blood*. 2003 Nov 1;102(9):3371-8. (PubMed)

Related Products

11-4111 Anti-Armenian Hamster IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4113 Anti-Armenian Hamster IgG Biotin (Polyclonal)

14-4888 Armenian Hamster IgG Isotype Control Purified (eBio299Arm)

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