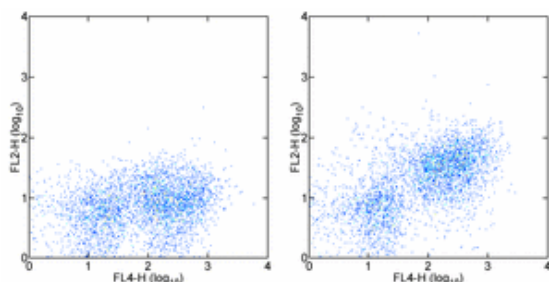


Anti-Mouse CD166 (ALCAM) PE

Catalog Number: 12-1661

Also Known As: Activated Leucocyte Cell Adhesion Molecule

RUO: For Research Use Only



Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) APC (cat. 17-0452) and 0.125 µg of Rat IgG2a κ Isotype Control PE (cat. 12-4321) (left) or 0.125 µg of Anti-Mouse CD166 (ALCAM) PE (right). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Mouse CD166 (ALCAM) PE

REF Catalog Number: 12-1661

Clone: eBioALC48

Concentration: 0.2 mg/ml

Host/Isotype: Rat IgG2a, κ

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



Temperature Limitation: Store at 2-8°C. Do not freeze. Light sensitive material.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

Description

Activated leukocyte cell adhesion molecule (ALCAM; CD166) is a 105 kD cell-surface adhesion molecule belonging to the Ig superfamily of receptors. ALCAM is a type I transmembrane glycoprotein, possessing five extracellular Ig domains, a transmembrane domain, and a short cytoplasmic tail. ALCAM is involved in homotypic adhesion, as well as heterotypic adhesion with its natural ligand, CD6. A soluble isoform of ALCAM has been shown to inhibit homophilic adhesive interactions. ALCAM is expressed on a variety of cell types, including activated T and B cells, monocyte-derived dendritic cells, and thymic epithelial cells. ALCAM expression has also been used as a marker for the isolation of pluripotent stem cells.

Applications Reported

This eBioALC-48 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This eBioALC-48 antibody has been tested by flow cytometric analysis of mouse splenocyte suspensions. This can be used at less than or equal to 0.25 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

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Swart GW, Lunter PC, Kilsdonk JW, Kempen LC. Activated leukocyte cell adhesion molecule (ALCAM/CD166): signaling at the divide of melanoma cell clustering and cell migration? *Cancer Metastasis Rev*. 2005 Jun;24(2):223-36. (PubMed)

van Kempen LC, Nelissen JM, Degen WG, Torensma R, Weidle UH, Bloemers HP, Figdor CG, Swart GW. Molecular basis for the homophilic activated leukocyte cell adhesion molecule (ALCAM)-ALCAM interaction. *J Biol Chem*. 2001 Jul 13;276(28):25783-90. (PubMed)

Bowen MA, Aruffo AA, Bajorath J. Cell surface receptors and their ligands: in vitro analysis of CD6-CD166 interactions. *Proteins*. 2000 Aug 15;40(3):420-8. (PubMed)

Related Products

12-4321 Rat IgG2a K Isotype Control PE

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