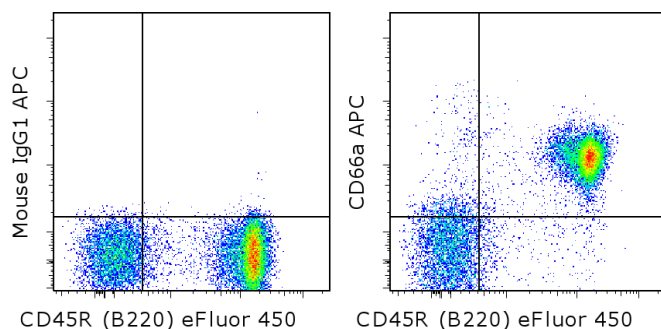


Anti-Mouse CD66a (CEACAM1) APC

Catalog Number: 17-0661

Also known as: CEACAM, BGP, biliary glycoprotein

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



Staining of C57Bl/6 splenocytes with Anti-Human/Mouse CD45R (B220) eFluor® 450 (cat. 48-0452) and 0.03 ug of Mouse IgG1 K Isotype Control APC (cat. 17-4714) (left) or 0.03 ug of Anti-Mouse CD66a (CEACAM1) APC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD66a (CEACAM1) APC



Catalog Number: 17-0661

Clone: CC1

Concentration: 0.2 mg/mL

Host/Isotype: Mouse IgG1



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

Description

The monoclonal antibody CC1 recognizes CD66a, also known as carcinoembryonic antigen-related cell adhesion molecule 1 (CEACAM1), biliary glycoprotein, and BPG. Expression of CD66a is found on brush borders, epithelial, and endothelial cells. In hematopoietic cells expression is found abundantly on B cells, as well as some NKs, monocytes, DCs, and granulocytes. Although low levels of mRNA have been identified in T cells in humans, resting mouse T lymphocytes are not reported to express CD66a, as confirmed by lack of staining with CC1 antibody. In humans, expression levels of CD66a have been used to identify malignancies. CD66a plays a key role as a regulator of BCR activation of B lymphocytes.

An alternate allele, CEACAM1b, is expressed in SJL mice; therefore, CC1 does not stain SJL tissue.

The monoclonal CC1 has been shown to block viral infection and also enhance B cell proliferation when combined with IgM crosslinking.

Applications Reported

This CC1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This CC1 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.06 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

Thirion G, Feliu AA, Coutelier JP. CD66a (CEACAM1) expression by mouse natural killer cells. Immunology. 2008 May 17. (CC1, FC, PubMed)

Nakagaki K, Nakagaki K, Taguchi F. Receptor-independent spread of a highly neurotropic murine coronavirus JHMV

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strain from initially infected microglial cells in mixed neural cultures. J Virol. 2005 May;79(10):6102-10. (**CC1**, FA, FC PubMed)

Turner BC, Hemmila EM, Beauchemin N, Holmes KV. Receptor-dependent coronavirus infection of dendritic cells. J Virol. 2004 May;78(10):5486-90. (**CC1**, FA, FC, PubMed)

Greicius G, Severinson E, Beauchemin N, Obrink B, Singer BB. CEACAM1 is a potent regulator of B cell receptor complex-induced activation. J Leukoc Biol. 2003 Jul;74(1):126-34. (**CC1**, FC, PubMed)

Kammerer R, Stober D, Singer BB, Obrink B, Reimann J. Carcinoembryonic antigen-related cell adhesion molecule 1 on murine dendritic cells is a potent regulator of T cell stimulation. J Immunol. 2001 Jun 1;166(11):6537-44

Related Products

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

48-0452 Anti-Human/Mouse CD45R (B220) eFluor® 450 (RA3-6B2)