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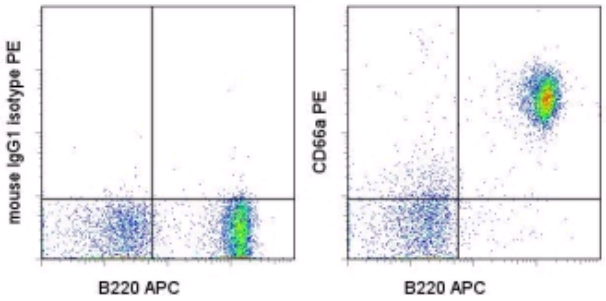
Anti-Mouse CD66a (CEACAM1) PE

Catalog Number: 12-0661
Also Known As:CEACAM, BGP, biliary glycoprotein
RUO: For Research Use Only



Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) APC (cat. 17-0452) and 0.03 µg of Mouse IgG1 κ Isotype Control PE (cat. 12-4714) (left) or 0.03 µg of Anti-Mouse CD66a (CEACAM1) PE (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD66a (CEACAM1) PE
REF Catalog Number: 12-0661
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.
LOT Batch Code: Refer to Vial
Use By: Refer to Vial
Caution, contains Azide

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 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

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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

12-4714 Mouse IgG1 K Isotype Control PE

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