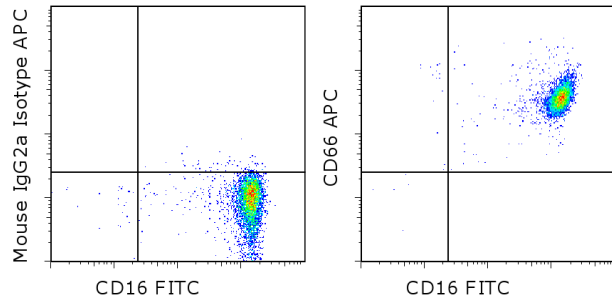


Anti-Human CD66 APC

Catalog Number: 17-0668

Also known as: CEACAM1, CEACAM3, CEACAM6, CEA

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



Staining of normal human peripheral blood cells with Anti-Human CD16 FITC (cat. 11-0168) and Mouse IgG2a K Isotype Control APC (cat. 17-4724) (left) or Anti-Human CD66 (right). Cells in the granulocyte gate were used for analysis.

Product Information



Contents: Anti-Human CD66 APC

Catalog Number: 17-0668

Clone: CD66a-B1.1

Concentration: 5 μ L (0.06 μ g)/test

Host/Isotype: Mouse IgG2a , k



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 CD66a-B1.1 monoclonal antibody reacts with human CD66a, c, d, and e, which are also known as CEACAM1, CEACAM6, CEACAM3 and CEA, respectively. CD66 is expressed on endothelial and epithelial cells, as well as on neutrophils and monocytes. Myeloma and cancer cells also express CD66. Moreover, expression of this receptor can be induced on T cells, B cells, and CD16-negative NK cells. CD66 exists as multiple splice variants that differ in the length of their cytoplasmic domain, which contains an immunoreceptor tyrosine-based inhibitory motif (ITIM) that mediates the inhibitory functions of this cell surface protein on T and NK cells. CD66 is involved in cell adhesion and growth, neutrophil activation, and signaling. Finally, studies have shown that the CD66 variants interact with each other homo- and heterotypically.

Applications Reported

This CD66a-B1.1 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This CD66a-B1.1 antibody has been pre-titrated and tested by flow cytometric analysis of normal human peripheral blood cells. This can be used at 5 μ L (0.06 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.

References

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B1.1, FC)

Markel G, Lieberman N, Katz G, Arnon TI, Lotem M, Drize O, Blumberg RS, Bar-Haim E, Mader R, Eisenbach L, Mandelboim O. CD66a interactions between human melanoma and NK cells: a novel class I MHC-independent inhibitory mechanism of cytotoxicity. *J Immunol.* 2002 Mar 15;168(6):2803-10.

Colcher D, Hand PH, Nuti M, Schlom J. Differential binding to human mammary and nonmammary tumors of monoclonal antibodies reactive with carcinoembryonic antigen. *Cancer Invest.* 1983;1(2):127-38. (**CD66a-B1.1**, IHC)

Related Products

11-0168 Anti-Human CD16 FITC (eBioCB16 (CB16))

17-4724 Mouse IgG2a K Isotype Control APC