

CD66 Monoclonal Antibody (CD66a-B1.1), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Published Species	Human
Host/Isotype	Mouse / IgG2a, kappa
Recommended Isotype Control	Mouse IgG2a kappa Isotype Control (eBM2a), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	CD66a-B1.1
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11039526

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.06 µg)/test	1 Publication

Product Specific Information

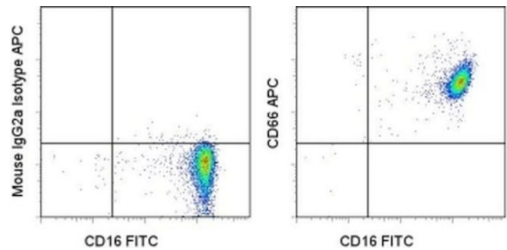
Description: The CD66a-B1.1 monoclonal antibody reacts with human CD66a, c, d, and e, which are also known as CEACAM1, CEACAM6, CEACAM3 and CEA, respectively. CD66 is expressed on endothelial and epithelial cells, as well as on neutrophils and monocytes. Myeloma and cancer cells also express CD66. Moreover, 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 µL (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.

Excitation: 633-647 nm; Emission: 660 nm; Laser: Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.



CD66 Antibody (17-0668-42) in Flow
Staining of normal human peripheral blood cells with Anti-Human CD16 FITC (Product # 11-0168-42) and Mouse IgG2a K Isotype Control APC (Product # 17-4724-81) (left) or Anti-Human CD66 (right). Cells in the granulocyte gate were used for analysis.

1 Reference

Flow Cytometry (1)

Molecular medicine reports	
Alteration of immune profiles is associated with pulmonary function and symptoms in patients with chronic obstructive pulmonary disease.	
"17-0668-42 was used in Flow cytometry/Cell sorting to determine the expression profiles of immune cells and inflammatory factors of patients with COPD and healthy controls, and to analyze the relationship between immune profiles and smoking history."	
Authors: Li S,Zhao S,Wu Z,Wang F,Li W	
	<div>Year 2021</div> <div>Species Human</div>

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