

CD66b (CEACAM8) Monoclonal Antibody | anti-CD66b antibody

Anti-Human CD66b (CEACAM8)

CATALOG #
AAA78197

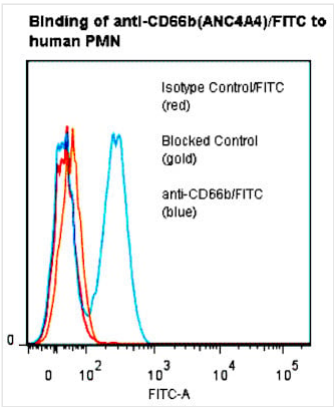
APPLICATIONS
ELISA, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD66b (CEACAM8); Monoclonal Antibody; Anti-Human CD66b (CEACAM8); anti-CD66b (ANC4A4)FITC Conjugate; Monoclonal anti-human CD66b (CEACAM8)/FITC*; anti-CD66b antibody

PRODUCT SPECIFICATIONS

Clonality	Monoclonal
Isotype	IgG1K
Clone Number	ANC4A4
Form/Format	FITC; 50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 5% Glycerol, 0.2% BSA, 0.04% NaN3 (as a preservative).
Sequence Length	349
Applicable Applications for anti-CD66b antibody	ELISA, FCM/FACS (Flow Cytometry)
Immunogen	Recombinant soluble human CD66b
Performance	Five x 10 ⁵ Polymorphprep prepared human Granulocytes(PMN) per tube were pelleted and pre incubated 5 minutes with 20ul of human IgG at 300ug/ml (to reduce non specific binding) after which they were washed and incubated 45 minutes on ice with 80 ul of anti-CD66b(ANC4A4) /FITC at a 1:50 dilution (10 ug/ml). They were then washed three times, fixed and analyzed by FACS. A 54% sub population of the cells stained positive with a mean shift of 1.05 log ₁₀ fluorescent units when compared to a Mouse IgG1/FITC negative control. Binding was blocked when cells were pre incubated 10 minutes with 20 ul of 0.5 mg/ml anti-CD66b(ANC4A4) antibody.
Production	Protein A purified antibody from tissue culture supernatant was reacted with FITC. Unconjugated FITC was separated from antibody/FITC conjugate by desalting column. The antibody/FITC conjugate is at approximately 0.5 mg/ml with a Fluorescein/IgG molar ratio of 7.4
Preparation and Storage	Store at 2 - 5 degree C. Freeze/Thawing is not recommended. Protect from light. Product should retain activity for at least 12 months after shipping date when stored as recommended.



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-CD66b antibody	Human CD66b (CEACAM8, CGMb, NCA-95, CD67) is a 95kD member of the Carcinoembryonic Antigen (CEA) group. It is expressed on granulocytes and functions as an adhesion molecule. Similar to the CD66 a, c, and d isoforms, engagement of CD66b on neutrophils causes increased adhesion to endothelial cells (2). Crosslinking CD66b on neutrophils with antibodies triggers IL-8 release (3). Antibody from clone ANC3C5 binds to CD66b on the cell surface of human PMN in Flow cytometry and works as an EIA capture or detection reagent for recombinant CD66b when paired with clone ANC4A4(Cat MBS666902).
Product Categories/Family for anti-CD66b antibody	Antibodies and Conjugates
References	1) W.N. Khan, S. Hammarstrom, et al. (1992) Genomics 14(2):384-90. 2) K.M. Skubitz, A.P. Skubitz, et al. (1996) J Leuk Biol 60(1): 106-117. 3) A.K. Schroder, L Rink, et al. (2006) Human Immunol 67(9): 676-682.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21314600
NCBI GeneID	1088
NCBI Accession #	NP_001807.2
NCBI GenBank Nucleotide #	NM_001816.3
NCBI Official Full Name	carcinoembryonic antigen-related cell adhesion molecule 8
NCBI Official Synonym Full Names	carcinoembryonic antigen related cell adhesion molecule 8
NCBI Official Symbol	CEACAM8
NCBI Official Synonym Symbols	CD67; CGM6; CD66b; NCA-95
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 8
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 8
UniProt Gene Name	CEACAM8
UniProt Synonym Gene Names	CGM6
UniProt Entry Name	CEAM8_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

