

Mouse anti-Human CEACAM8 Monoclonal Antibody | anti-CEACAM8 antibody

anti-human CEACAM8 monoclonal antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA71467	Mouse	Human	ELISA, Flow Cytometry, Functional Assay

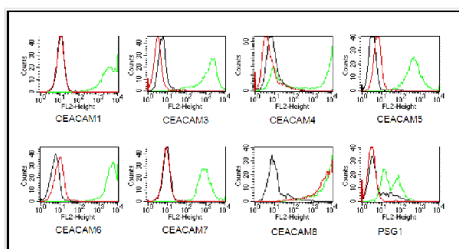
PRODUCT SYNONYMS

CEACAM8; Monoclonal Antibody; anti-human CEACAM8 monoclonal antibody; CD66b; NCA-95; anti-CEACAM8 antibody

PRODUCT SPECIFICATIONS

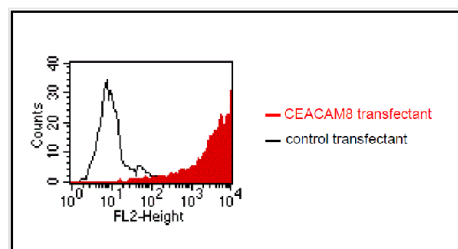
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1/kappa
Clone Number	GM2H6
Specificity	anti-human CEACAM8 (CD66b/NCA-95)
Purity/Purification	Protein G
Form/Format	Purified; phosphate buffered saline, pH 7.2
Sequence Length	349
Applicable Applications for anti-CEACAM8 antibody	ELISA (Competitive ELISA), FCM/FACS (Flow Cytometry)
Immunogen	Genetic immunisation with cDNA encoding human CEACAM8
Selection	Based on recognition of the complete native protein expressed on transfected mammalian cells
Preparation and Storage	Short term: 2°C - 8°C; long term: -20°C (avoid repeated freezing and thawing)

IMAGES



Application Data

Fig. 2: BOSC23 cells were transiently transfected with expression vectors containing either the cDNA of CEACAM1, CEACAM3-8 or PSG. The latter expressed as a membrane bound fusion protein. Expression of the constructs was tested with monoclonal antibodies known to recognize the corresponding proteins (CEACAM1,3,4,5 and 6: D14HD11; CEACAM7: BAC2; CEACAM8: Tet2; PSG: BAP3; green curves). An irrelevant monoclonal antibody served as a negative control (black curves). For specificity testing, protein G-purified GM-2H6 was tested on all CEACAM transfectants. A positive signal was obtained only with CEACAM8 transfected cells (red curve).



Application Data

Fig.1: FACS analysis of BOSC23 cells using GM2H6 Cat.# AAA71467. BOSC23 cells were transiently transfected with an expression vector encoding either CEACAM8 (red curve) or an irrelevant protein (control transfectant). Binding of AAA71467 was detected with a PE-conjugated secondary antibody. A positive signal was obtained only with CEACAM8 transfected cells.

ADDITIONAL INFORMATION

Related Product Information for anti-CEACAM8 antibody	Description: Purified monoclonal mouse antibody Background: CEA-related cell adhesion molecule 8 (CEACAM8, CD66b) belongs to the carcinoembryonic antigen (CEA) gene family (1,3,4). It encodes a glycosylphosphatidylinositol (GPI)-linked glycoprotein with a Mr of 95,000 which is expressed in cells of the granulocyte-lineage. It is expressed in neutrophils and eosinophils and is characterized as a granulocyte-specific activation antigen. CEACAM8 could serve as a marker for granulocyte activities (2). Like all members of the CEA family, it consists of a single N domain, with structural homology to the immunoglobulin variable domains, followed by two immunoglobulin constant-like A and B domains.
References	1. Zimmermann W (2002). Carcinoembryonic antigen. In Wiley Encyclopedia of Molecular Medicine (T. Creighton, ed.), John Wiley & Sons Inc., New York, USA, pp. 459-462. 2. Zhao L, Xu S, Fjaertoft G, Pauksen K, Hakansson L and Venge P (2004). An enzyme-linked immunosorbent assay for human carcinoembryonic antigen-related cell adhesion molecule 8, a biological marker of granulocyte activities in vivo. J. Immunol. Methods 293(1-2):207-14 Hammarström S (1999). The carcinoembryonic antigen (CEA) family: structures, suggested functions and expression in normal and malignant tissues. Semin. Cancer Biol. 9, 67-81.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21314600
NCBI GeneID	1088
NCBI Accession #	NP_001807.2
NCBI GenBank Nucleotide #	NM_001816.3
UniProt Accession #	P31997; O60399; Q16574
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; CD67 antigen; carcinoembryonic antigen CGM6; non-specific cross-reacting antigen NCA-95; carcinoembryonic antigen gene family member 6
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.