

Mouse anti-Human CEACAM1 Monoclonal Antibody | anti-CEACAM1 antibody

Anti-CEACAM1 Antibody, Mouse Monoclonal

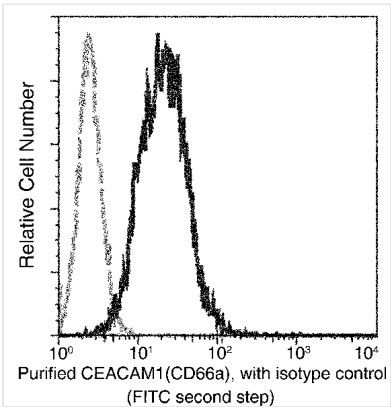
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255202	Mouse	Human	Flow Cytometry, Functional Assay, Immunohistochemistry, ELISA, ELISA

PRODUCT SYNONYMS

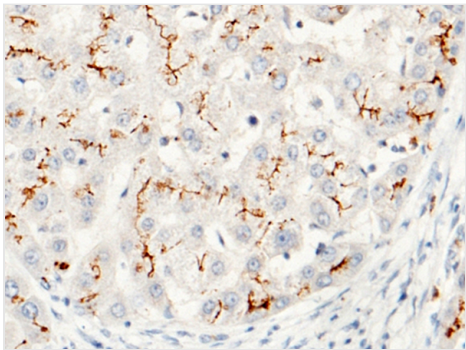
CEACAM1; Monoclonal Antibody; Anti-CEACAM1 Antibody; Mouse Monoclonal; CEACAM1/CD66a Antibody; Mouse MAb; carcinoembryonic antigen-related cell adhesion molecule 1 (biliary glycoprotein); Anti-BGP Antibody; Anti-BGP1 Antibody; Anti-BGPI Antibody; Anti-CD66a Antibody; Anti-CEACAM-1 Antibody; anti-CEACAM1 antibody

PRODUCT SPECIFICATIONS

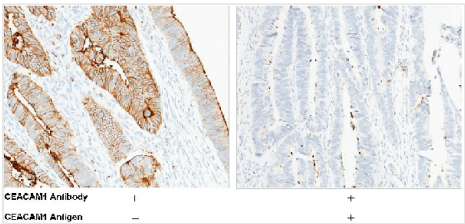
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG1
Clone Number	8B6E2F4
Specificity	Human CEACAM1/CD66a. No cross-reactivity in ELISA with Human CEACAM5, Human CEACAM6
Purity/Purification	Protein A
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-CEACAM1 antibody	FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), ELISA, ELISA
Immunogen	Recombinant Human CD66a protein
Conjugation	Unconjugated
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human CEACAM1/CD66a (rh CEACAM1). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



FCM/FACS (Flow Cytometry)
Flow cytometric analysis of Human CEACAM1(CD66a) expression in HT-29 cells.



IHC (Immunohistochemistry)
Immunochemical Staining of human CEACAM1 in human liver with Mouse Monoclonal Antibody (1:60, formalin-fixed paraffin embedded sections). Positive staining was localized to bile canaliculus. The left panel: tissue incubated with primary antibody; The right panel: tissue incubated with the mixture of primary antibody and antigen (recombinant protein).



IHC (Immunohistochemistry)
Immunochemical Staining of human CEACAM1 in human colon carcinoma with Mouse Monoclonal Antibody (1:60, formalin-fixed paraffin embedded sections). Positive staining was localized to membrane of epithelial cells.

ADDITIONAL INFORMATION

Related Product Information for anti-CEACAM1 antibody	The carcinoembryonic-antigen-related cell-adhesion molecule (CEACAM) family of proteins has been implicated in various intercellular-adhesion and intracellular-signalling-mediated effects that govern the growth and differentiation of normal and cancerous cells. CEACAM1, also known as biliary glycoprotein I (BGP I) and CD66a, is a member of the carcinoembryonic antigen (CEA) gene family which belongs to the immunoglobulin superfamily. The highly glycosylated CEACAM1 contains one N-terminal V-type Ig-like domain and three C2-type Ig-like domains within its ECD, and one ITIM motif and a calmodulin binding site in the cytoplasmic region. CEACAM1 is a surface glycoprotein expressed on various blood cells, epithelial cells, and vascular cells. It was described as an adhesion molecule mediating cell adhesion via both homophilic and heterophilic manners, and was detected on leukocytes, epithelia, and endothelia. Studies have revealed that CEACAM1 performs actions in multiple cellular processes including tissue differentiation, angiogenesis, apoptosis, metastasis, as well as the modulation of innate and adaptive immune responses.
Product Categories/Family for anti-CEACAM1 antibody	Cancer Drug Targets ITIM/ITAM Immunoreceptors and Related Molecules
References	Gray-Owen SD, et al. (2006) CEACAM1: contact-dependent control of immunity. Nat Rev Immunol. 6(6): 433-46. Gu A, et al. (2009) Role of Ceacam1 in VEGF induced vasculogenesis of murine embryonic stem cell-derived embryoid bodies in 3D culture. Exp Cell Res. 315(10): 1668-82. Wong C, et al. (2009) CEACAM1 negatively regulates platelet-collagen interactions and thrombus growth in vitro and in vivo. Blood. 113(8): 1818-28.

NCBI AND UNIPROT INFORMATION

NCBI GI #	68161541
NCBI GeneID	634

NCBI Accession #	NP_001020083.1
NCBI GenBank Nucleotide #	NM_001024912.2
UniProt Accession #	P13688 ; O60430 ; Q069I7 ; Q13854 ; Q13857 ; Q13858 ; Q13859 ; Q13860 ; Q15600 ; Q15601 ; A6NE38 ; A8MY49
Molecular Weight	39,871 Da
NCBI Official Full Name	carcinoembryonic antigen-related cell adhesion molecule 1 isoform 2
NCBI Official Synonym Full Names	carcinoembryonic antigen related cell adhesion molecule 1
NCBI Official Symbol	CEACAM1
NCBI Official Synonym Symbols	BGP; BGP1; BGPI
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 1
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 1
UniProt Gene Name	CEACAM1
UniProt Synonym Gene Names	BGP; BGP1; BGP-1
UniProt Entry Name	CEAM1_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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/ceacam1-antibody-clone-8b6e2f4-flow-cytometry-immunohistochemistry-elisa/255202>