

Rabbit anti-Human, Mouse CD66a/CEACAM1 Monoclonal Antibody | anti-CEACAM1 antibody

CD66a/CEACAM1 Rabbit PolymAb

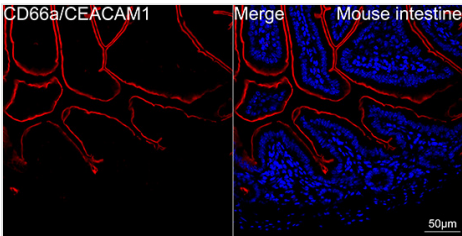
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28579	Rabbit	Human, Mouse	Western Blot, Immunohistochemistry, Immunofluorescence, Immunocytochemistry, ELISA

PRODUCT SYNONYMS

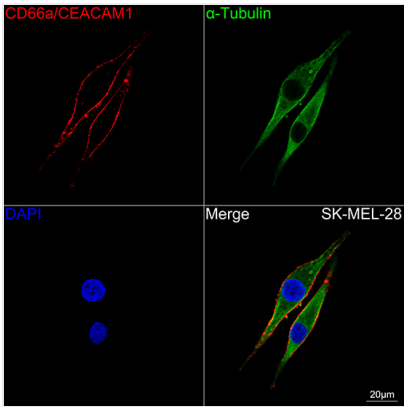
CD66a/CEACAM1; Monoclonal Antibody; CD66a/CEACAM1 Rabbit PolymAb; Bgp; Cc1; Hv2; Bgp1; Cea1; Cea7; Hv-2; MHVR; bb-1; C-CAM; CD66a; Cea-1; Cea-7; MHVR1; Mhv-1; mCEA1; mmCGM1; mmCGM2; mmCGM1a; anti-CEACAM1 antibody

PRODUCT SPECIFICATIONS

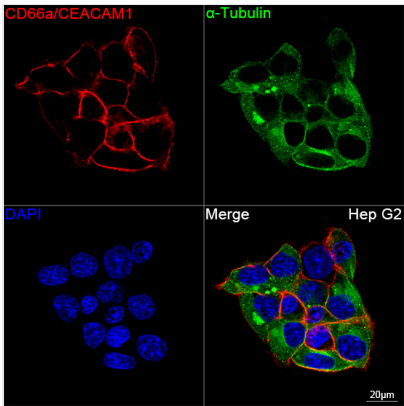
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.
Applicable Applications for anti-CEACAM1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	WB: 1:3000-1:12000 IHC-P: 1:4000-1:10000 IF/ICC: 1:2000-1:8000 ELISA: Recommended starting concentration is 1ug/mL. Please optimize the concentration based on your specific assay requirements.
Immunogen	Recombinant protein of human/mouse CD66a/CEACAM1.
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.



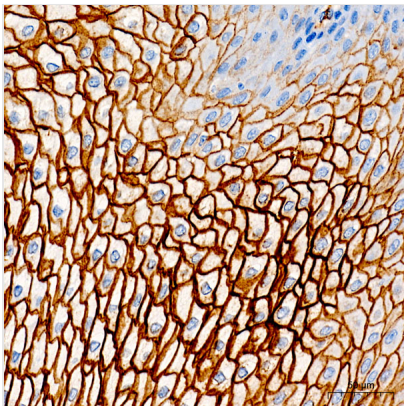
ICC (Immunocytochemistry)
Confocal imaging of paraffin-embedded Mouse intestine tissue using CD66a/CEACAM1 Rabbit PolymAb® (AAA28579, dilution 1:4000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



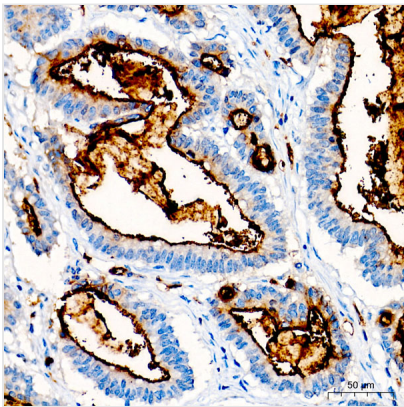
ICC (Immunocytochemistry)
Confocal imaging of SK-MEL-28 cells using CD66a/CEACAM1 Rabbit PolymAb® (AAA28579, dilution 1:4000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with ?-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



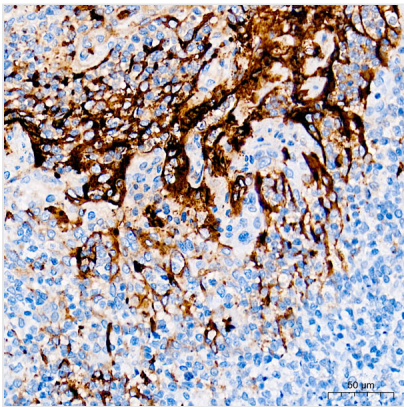
ICC (Immunocytochemistry)
Confocal imaging of Hep G2 cells using CD66a/CEACAM1 Rabbit PolymAb® (AAA28579, dilution 1:4000) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with ?-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (AS076, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human esophagus tissue using CD66a/CEACAM1 Rabbit PolymAb® (AAA28579) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma tissue using CD66a/CEACAM1 Rabbit PolymAb® (AAA28579) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



IHC (Immunohistochemistry)
Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using CD66a/CEACAM1 Rabbit PolymAb® (AAA28579) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

ADDITIONAL INFORMATION

Related Product Information for anti-CEACAM1 antibody	This gene encodes a member of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily. Two subgroups of the CEA family, the CEA cell adhesion molecules and the pregnancy-specific glycoproteins, are located within a 1.2 Mb cluster on the long arm of chromosome 19. Eleven pseudogenes of the CEA cell adhesion molecule subgroup are also found in the cluster. The encoded protein was originally described in bile ducts of liver as biliary glycoprotein. Subsequently, it was found to be a cell-cell adhesion molecule detected on leukocytes, epithelia, and endothelia. The encoded protein mediates cell adhesion via homophilic as well as heterophilic binding to other proteins of the subgroup. Multiple cellular activities have been attributed to the encoded protein, including roles in the differentiation and arrangement of tissue three-dimensional structure, angiogenesis, apoptosis, tumor suppression, metastasis, and the modulation of innate and adaptive immune responses. Multiple transcript variants encoding different isoforms have been reported, but the full-length nature of all variants has not been defined.
Product Categories/Family for anti-CEACAM1 antibody	Immunology Inflammation; CD _s ; Cardiovascular; Angiogenesis; Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	399116
NCBI GeneID	634/26365
UniProt Accession #	P13688; P31809
Molecular Weight	Calculated MW: 30kDa/37kDa/43kDa/46kDa/50kDa/57kDa Observed MW: 100-180kDa
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/cd66a-ceacam1-antibody-western-blot-immunohistochemistry-immunofluorescence-immunocytochemistry-elisa/28579>