

Mouse anti-Human CEACAM5 Monoclonal Antibody | anti-CEACAM5 antibody

Anti-CEACAM5 Antibody, Mouse Monoclonal

CATALOG # AAA27742	HOST Mouse	REACTIVITY Human	APPLICATIONS ELISA, Immunohistochemistry
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PRODUCT SYNONYMS

CEACAM5; Monoclonal Antibody; Anti-CEACAM5 Antibody; Mouse Monoclonal; CEACAM5/CD66e Antibody; Mouse MAb; carcinoembryonic antigen-related cell adhesion molecule 5; Anti-CD66e Antibody; Anti-CEA Antibody; anti-CEACAM5 antibody

PRODUCT SPECIFICATIONS

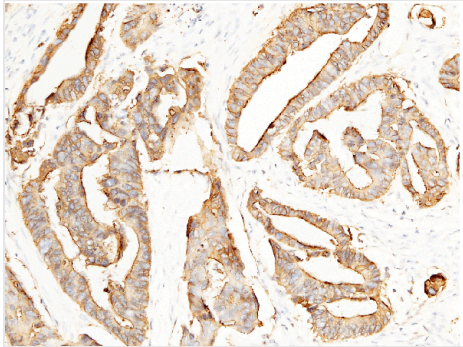
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Number	2G6A10
Specificity	Human CEACAM5 / CD66e No cross-reactivity in ELISA with: Human CEACAM1 Human CEACAM6 Human CEACAM3 Human CEACAM8 Human cell lysate (293 cell line)
Purity/Purification	Protein A
Form/Format	0.2 um filtered solution in PBS
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-CEACAM5 antibody	ELISA, IHC (Immunohistochemistry)
Application Notes	IHC-P: 1:50-1:200 Validated in Natural Samples ELISA: 1:1000-1:2000 Validated in Recombinant Protein Note: This antibody can be used at 1:1000-1:2000 with the appropriate secondary reagents to detect Human CEACAM5. Please Note: Optimal concentrations/dilutions should be determined by the end user.
Immunogen	Recombinant Human CEACAM5/CD66e protein
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 CEACAM5 / CD66e (rh CEACAM5 / CD66e; Catalog# please inquire; NP_004354.2; Met 1-Ala 685). 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 1 from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free.

Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human CEACAM5 in human rectal cancer with mouse monoclonal antibody (1:60, formalin-fixed paraffin embedded sections). Positive staining was localized to intestinal gland.

ADDITIONAL INFORMATION

Product Categories/Family for anti-CEACAM5 antibody	Cancer Drug Targets
References	Baczyska D, et al. (2003) The tumorigenic potential of human CX-1 colon adenocarcinoma cells depends on carcinoembryonic antigen (CEACAM5) expression. Cell Mol Biol Lett. 8(2): 471-86. Blumenthal RD, et al. (2005) Inhibition of adhesion, invasion, and metastasis by antibodies targeting CEACAM6 (NCA-90) and CEACAM5 (Carcinoembryonic Antigen). Cancer Res. 65(19): 8809-17. Liebig B, et al. (2005) Forced expression of deltaN-TCF-1B in colon cancer derived cell lines is accompanied by the induction of CEACAM5/6 and mesothelin. Cancer Lett. 223(1): 159-67.

NCBI AND UNIPROT INFORMATION

NCBI GI #	98986445
NCBI GeneID	1048
NCBI Accession #	NP_004354.2
NCBI GenBank Nucleotide #	NM_004363.2
UniProt Accession #	P06731
NCBI Official Full Name	carcinoembryonic antigen-related cell adhesion molecule 5 preproprotein
NCBI Official Synonym Full Names	carcinoembryonic antigen-related cell adhesion molecule 5
NCBI Official Symbol	CEACAM5
NCBI Official Synonym Symbols	CEA; CD66e
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 5; meconium antigen 100
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 5
UniProt Gene Name	CEACAM5
UniProt Synonym Gene Names	CEA; CEA

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/ceacam5-antibody-clone-2g6a10-immunohistochemistry-elisa/27742>