

CEACAM5 Mouse mAb

Catalog No.: A18131

Basic Information

Observed MW

200kDa

Calculated MW

76kDa

Category

Primary antibody

Applications

WB,IHC,IP

Cross-Reactivity

Human

CloneNo number

AMC0141

Recommended Dilutions

WB	1:500 - 1:2000
IHC	1:50 - 1:200
IP	1:50 - 1:200

Contact

 | www.abclonal.com

Background

This gene encodes a cell surface glycoprotein that represents the founding member of the carcinoembryonic antigen (CEA) family of proteins. The encoded protein is used as a clinical biomarker for gastrointestinal cancers and may promote tumor development through its role as a cell adhesion molecule. Additionally, the encoded protein may regulate differentiation, apoptosis, and cell polarity. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants.

Immunogen Information

Gene ID

1048

Swiss Prot

P06731

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 35-685 of human CEACAM5.

Synonyms

CEACAM5;CD66e;CEA

Product Information

Source

Mouse

Isotype

IgG1,Kappa

Purification

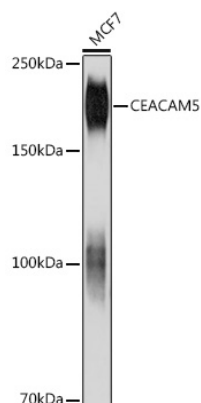
Affinity purification

Storage

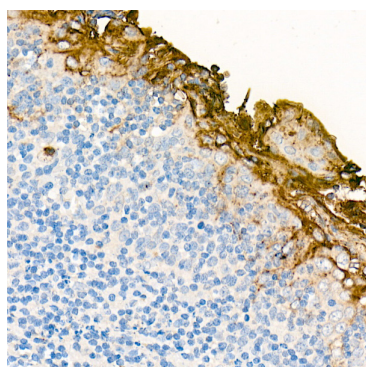
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.

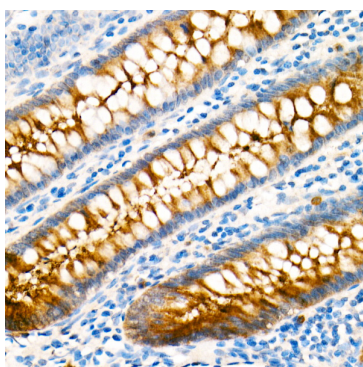
Validation Data



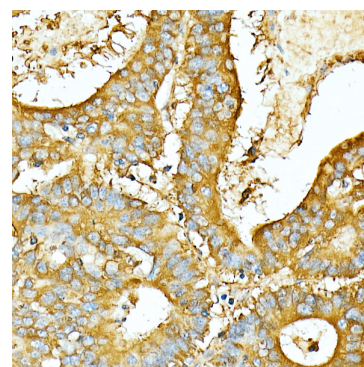
Western blot analysis of extracts of MCF7 cells, using CEACAM5 antibody (A18131) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 180s.



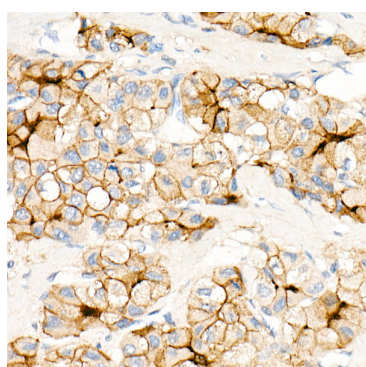
Immunohistochemistry of paraffin-embedded Human tonsil (negative control sample) using CEACAM5 antibody (A18131) at dilution of 100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



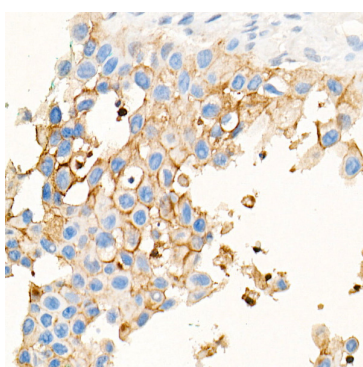
Immunohistochemistry of paraffin-embedded Human appendix using CEACAM5 antibody (A18131) at dilution of 100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



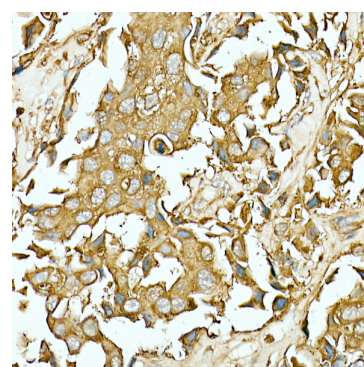
Immunohistochemistry of paraffin-embedded Human colon carcinoma using CEACAM5 antibody (A18131) at dilution of 100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded Human hepatocellular carcinoma using CEACAM5 antibody (A18131) at dilution of 100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded Human urothelial carcinoma using CEACAM5 antibody (A18131) at dilution of 100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded Human breast cancer using CEACAM5 antibody (A18131) at dilution of 100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.