

CEACAM5 Mouse mAb

Catalog No.: A18131

Basic Information

Observed MW

200kDa

Calculated MW

77kDa

Category

Primary antibody

Applications

ELISA, WB, IHC-P, IP

Cross-Reactivity

Human

CloneNo number

AMC0141

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.

Recommended Dilutions

WB 1:500 - 1:1000

IHC-P 1:50 - 1:200

IP 0.5µg-4µg antibody for
200µg-400µg extracts of
whole cells

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

CEA; CD66e; CEACAM5

Contact

☎ | 400-999-6126

✉ | cn.market@abclonal.com.cn

🌐 | www.abclonal.com.cn

Product Information

Source

Mouse

Isotype

IgG1, Kappa

Purification

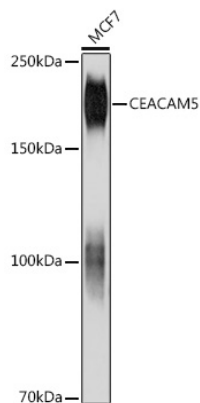
Affinity purification

Storage

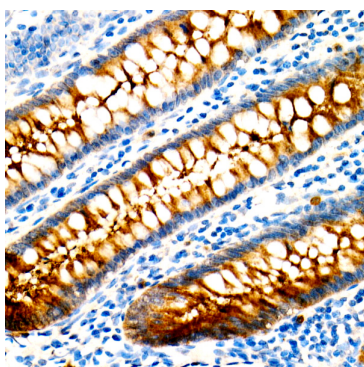
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH7.3.

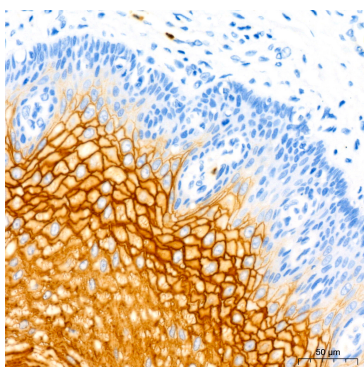
Validation Data



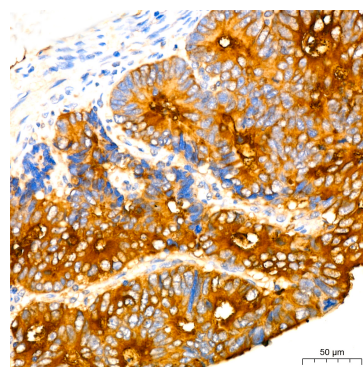
Western blot analysis of lysates from MCF7 cells, using CEACAM5 Mouse mAb (A18131) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure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



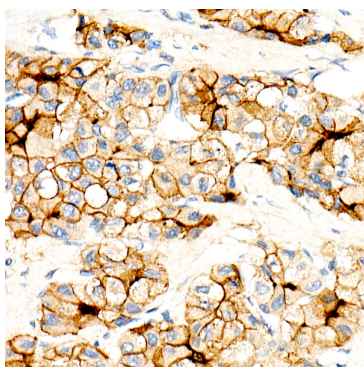
Immunohistochemistry analysis of CEACAM5 in paraffin-embedded human appendix using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



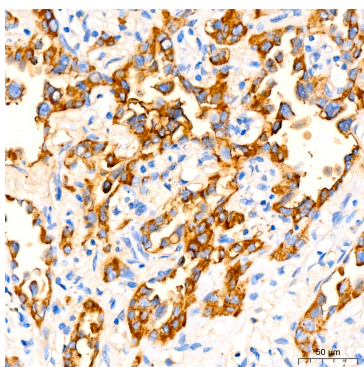
Immunohistochemistry analysis of CEACAM5 in paraffin-embedded human esophagus using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



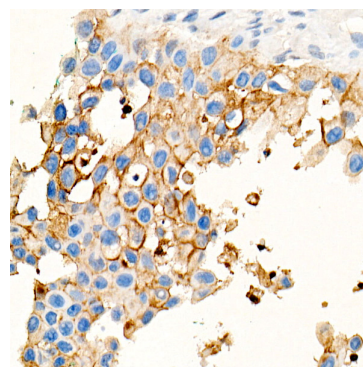
Immunohistochemistry analysis of CEACAM5 in paraffin-embedded human gastric cancer using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of CEACAM5 in paraffin-embedded Human hepatocellular carcinoma using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of CEACAM5 in paraffin-embedded Human lung adenocarcinoma using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry analysis of CEACAM5 in paraffin-embedded human urothelial carcinoma using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.