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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

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Product Information

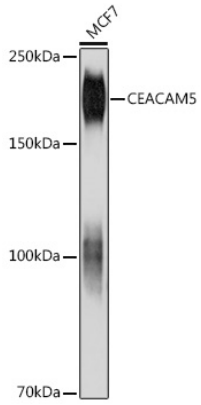
Source
Mouse

Isotype
IgG1,Kappa

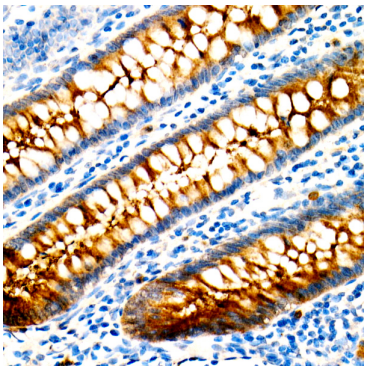
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.01% thimerosal,50% glycerol,pH7.3.

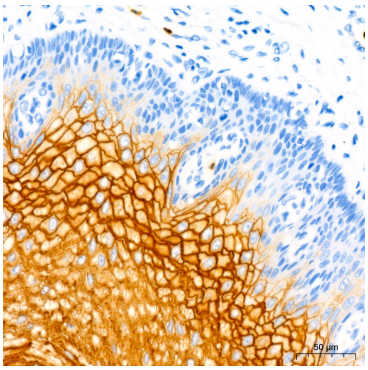
Validation Data



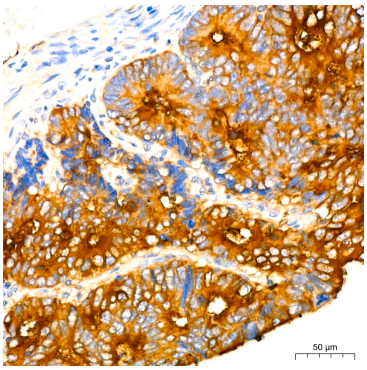
Western blot analysis of lysates from MCF7 cells, using CEACAM5 Mouse mAb (A18131) at 1:1000 dilution.
Secondary antibody: HRP Goat Anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure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



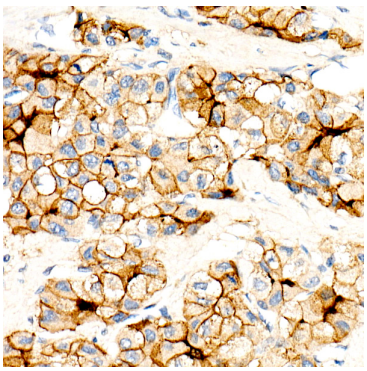
Immunohistochemistry analysis of CEACAM5 in paraffin-embedded human appendix using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



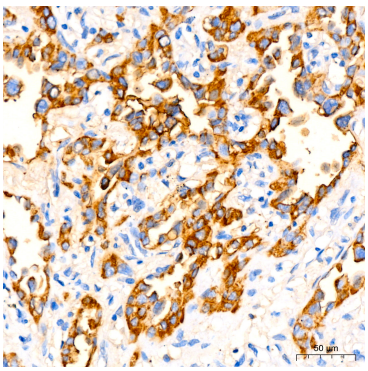
Immunohistochemistry analysis of CEACAM5 in paraffin-embedded human esophagus using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



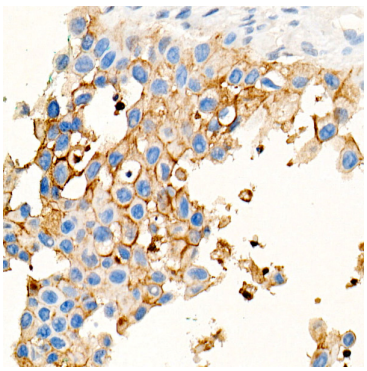
Immunohistochemistry analysis of CEACAM5 in paraffin-embedded human gastric cancer using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens).Perform high pressure antigen retrieval with 10 mM Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



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.