A18131
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CEACAM5 Mouse mAb

Catalog No.: A18131

Basic Information

Observed MW
200kDa

Calculated MW
77kDa

Category
Monoclonal Antibody

Applications
WB,IHC-P,ELISA

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	1:1000 - 1:2000
IHC-P	1:200 - 1:2000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID
1048

Swiss Prot
P06731

Immunogen
Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms
CEA; CD66e; CEACAM5

Contact

www.abclonal.com

Product Information

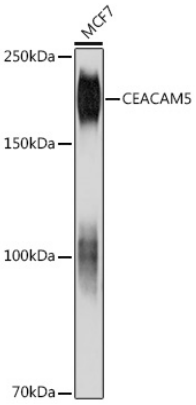
Source
Mouse

Isotype
IgG1,Kappa

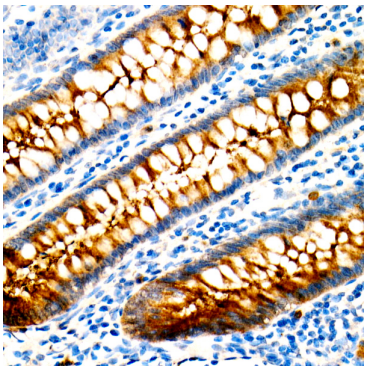
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

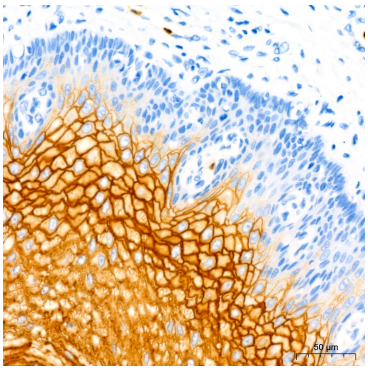
Validation Data



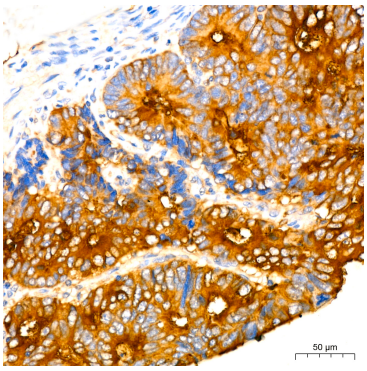
Western blot analysis of lysates from MCF7 cells, using CEACAM5 Mouse mAb (A18131) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Mouse IgG (H+L) (AS003) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).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



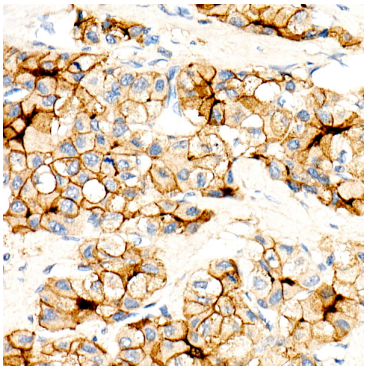
Immunohistochemistry analysis of paraffin-embedded Human appendix using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



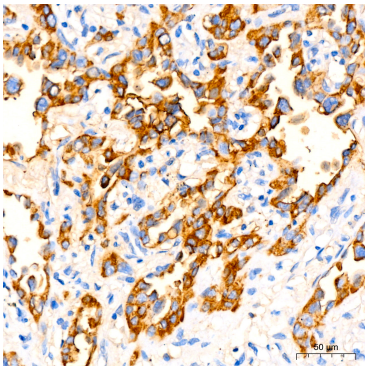
Immunohistochemistry analysis of paraffin-embedded Human esophagus using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



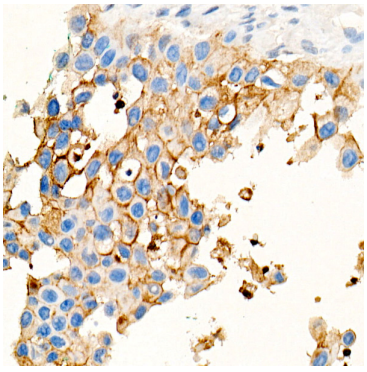
Immunohistochemistry analysis of paraffin-embedded Human gastric cancer using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human hepatocellular carcinoma using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human lung adenocarcinoma using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human urothelial carcinoma using CEACAM5 Mouse mAb (A18131) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.