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CEACAM5 Rabbit mAb

Catalog No.: A22266 **Recombinant**

Basic Information

Observed MW
200kDa

Calculated MW
77kDa

Category
Primary antibody

Applications
WB,IHC-P,ELISA

Cross-Reactivity
Human

CloneNo number
ARC56151

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 - 1:5000
IHC-P	1:50 - 1:200
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

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Product Information

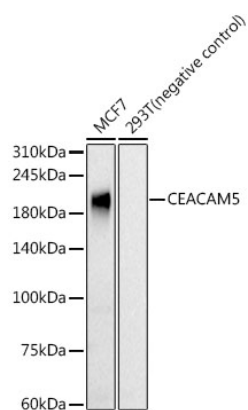| **Source**	**Isotype**	**Purification**
Rabbit	IgG	Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS with 0.09% Sodium azide,0.05% BSA,50% glycerol,pH7.3.

Validation Data

Western blot analysis of various lysates, using CEACAM5 Rabbit mAb (A22266) at 1:2000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25μg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 90s.
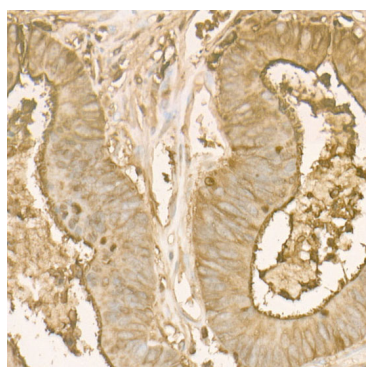
Immunohistochemistry analysis of paraffin-embedded Human colon carcinoma using CEACAM5 Rabbit mAb (A22266) at dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.