

# CEACAM5 Rabbit mAb

Catalog No.: A22266 **Recombinant**

## Basic Information

### Observed MW

200kDa

### Calculated MW

77kDa

### Category

Primary antibody

### Applications

ELISA, WB, IHC-P

### 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

## Immunogen Information

### Gene ID

1048

### Swiss Prot

P06731

### Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 35-685 of human CEACAM5 (NP\_004354.3).

### Synonyms

CEA; CD66e; CEACAM5

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG1, Kappa

### Purification

Affinity purification

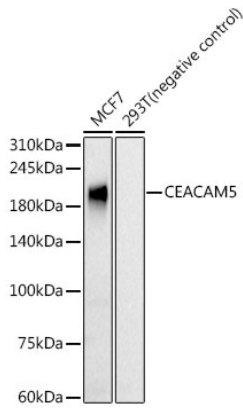
### Storage

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

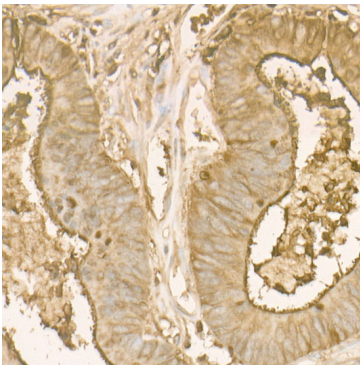
Buffer: PBS with 0.05% proclin300, 0.05% BSA, 50% glycerol, pH7.3.

## Validation Data

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Western blot analysis of various lysates, using CEACAM5 Rabbit mAb (A22266) at 1:2000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25 $\mu$ g 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). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.