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**Product Name: CEACAM5 Mouse Monoclonal Antibody****Catalog #: AMM83000**

For research use only.

**Summary**

<b>Description</b>	Mouse monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	1mg/ml
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	IHC 1:200-1:400
<b>Molecular Weight</b>	76.8kDa

**Antigen Information**

<b>Gene Name</b>	CEACAM5
<b>Alternative Names</b>	CEA;CD66e
<b>Gene ID</b>	1048.0
<b>SwissProt ID</b>	P06731
<b>Immunogen</b>	Recombinant protein of human Carcino Embryonic Antigen CEA

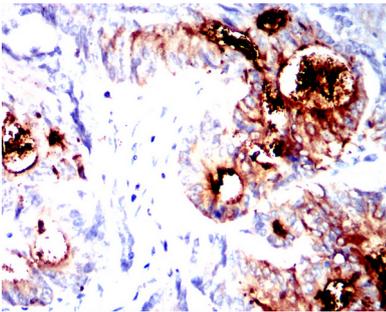
**Background**

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,

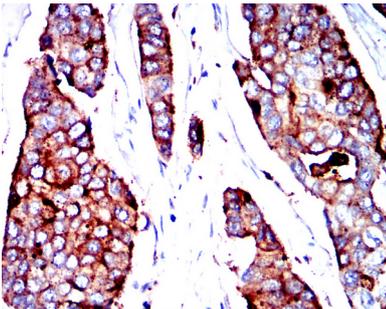
apoptosis, and cell polarity. This gene is present in a CEA family gene cluster on chromosome 19. Alternative splicing results in multiple transcript variants.

## Research Area

## Image Data



Immunohistochemical analysis of paraffin-embedded human colon cancer tissues using CEACAM5 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissues using CEACAM5 mouse mAb with DAB staining.