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**Product Name: CEA Mouse Monoclonal Antibody****Catalog #: AMM22001**

For research use only.

**Summary**

|                     |  |
|---------------------|--|
| <b>Description</b>  | Mouse Monoclonal Antibody  |
| <b>Host</b>         | Mouse  |
| <b>Application</b>  | IHC,IF,ELISA   |
| <b>Reactivity</b>   | Human  |
| <b>Conjugation</b>  | Unconjugated   |
| <b>Modification</b> | Unmodified   |
| <b>Isotype</b>      | IgG2b,Kappa  |
| <b>Clonality</b>    | Monoclonal   |
| <b>Form</b>         | Liquid   |
| <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>       | PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA   |
| <b>Purification</b> | The antibody was affinity-purified from ascites by affinity-chromatography using specific immunogen. |

**Application**

|                         |  |
|-------------------------|--|
| <b>Dilution Ratio</b>   | IHC 1:200-400;IF 1:50-200;ELISA 1:500-5000 |
| <b>Molecular Weight</b> | Calculated MW:76kDa,Observed MW:200kDa     |

**Antigen Information**

|                          |  |
|--------------------------|--|
| <b>Gene Name</b>         | CEACAM5 CEA<br>Carcinoembryonic antigen antibody;Carcinoembryonic antigen-related cell adhesion molecule 5 antibody;CD66e antibody;CEA antibody;Ceacam5 antibody;CEAM5_HUMAN |
| <b>Alternative Names</b> | antibody;DKFZp781M2392 antibody;Meconium antigen 100 antibody;OTTHUMP00000199032 antibody;OTTHUMP00000199033 antibody;OTTHUMP00000199034 antibody;                           |
| <b>Gene ID</b>           | Human:1048   |
| <b>SwissProt ID</b>      | Human:P06731   |
| <b>Immunogen</b>         | Recombinant protein AA range: 35-314   |

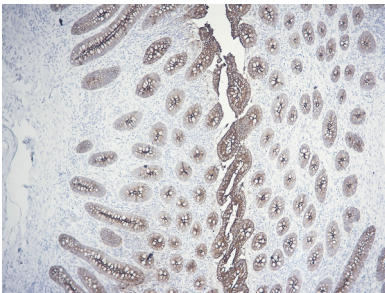
## Background

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. [provided by RefSeq, Jul 2015],

## Research Area

Pathology

## Image Data



Human appendix tissue was stained with Anti-CEA Antibody