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Product datasheet for AM33326PU-T

CEACAM5 Mouse Monoclonal Antibody [Clone ID: COL-1+CEA31+C66/261]

Product data:

Product Type:	Primary Antibodies
Clone Name:	COL-1+CEA31+C66/261
Applications:	FC, IF, IHC, IP, WB
Recommended Dilution:	**Western Blot:** 0.5-1 µg/ml. **Flow Cytometry:** 0.5-1 µg/10^6 cells. **Immunofluorescence:** 0.5-1 µg/ml. **Immunoprecipitation:** 1-2 µg/500 µg protein. **Immunohistochemistry on Frozen and Formalin-Fixed Paraffin Sections:** 0.5-1 µg/ml for 30 min at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Citrate Buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes. ***Postive Control:*** MCF7 or 293T cells, Colon Carcinoma.
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Immunogen:	Human colon carcinoma extract (COL-1 & CEA31); CEA recombinant protein (C66/261). **Isotypes:** Mouse/IgG2a (COL-1) + Mouse/IgG1 (CEA31 & C66/261).

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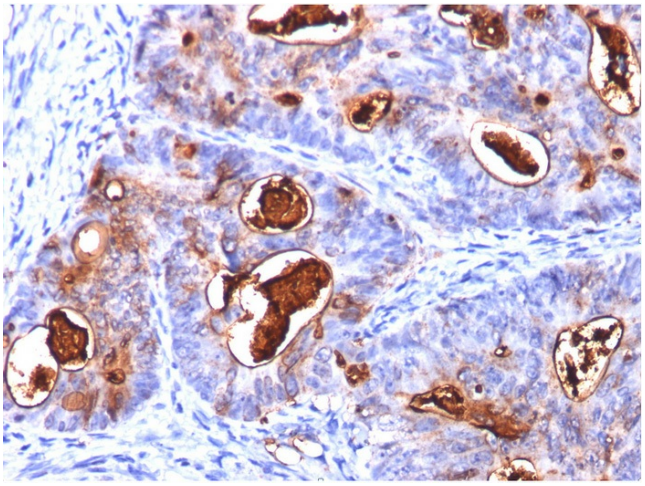
Specificity:	This antibody stains specific regions of CEA. It reacts with colorectal adenocarcinoma but does not show any staining with polymorphonuclear neutrophils and erthrocytes. This antibody recognizes proteins of 80-200kDa, identified as different members of CEA family. CEA is synthesized during development in the fetal gut and is re-expressed in increased amounts in intestinal carcinomas and several other tumors. This Monoclonal antibody does not react with nonspecific cross-reacting antigen (NCA) and with human polymorphonuclear leucocytes. It shows no reaction with a variety of normal tissues and is suitable for staining of formalin/paraffin tissues. CEA is not found in benign glands, stroma, or malignant prostatic cells. Antibody to CEA is useful in detecting early foci of gastric carcinoma and in distinguishing pulmonary adenocarcinomas (60-70% are CEA+) from pleural mesotheliomas (rarely or weakly CEA+). Anti-CEA positivity is seen in adenocarcinomas from the lung, colon, stomach, esophagus, pancreas, gallbadder, urachus, salivary gland, ovary, and endocervix. ***Cellular Localization:*** Cytoplasmic and lumenal membrane.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	80-200 kDa
Gene Name:	carcinoembryonic antigen related cell adhesion molecule 5
Database Link:	Entrez Gene 1048 Human P06731
Background:	Human carcinoembryonic antigen (CEA) belongs to a family of membrane glycoproteins that are overexpressed in many carcinomas. CEA may function as a cell adhesion molecule, which could play an important role during embryogenesis and possibly also during tumor development. Despite its presence in some normal tissues, its concentration in serum is a clinically useful parameter, especially in the postoperative monitoring of colonic tumor patients.
Synonyms:	CEA, Carcinoembryonic antigen

Product images:



Formalin-Fixed, Paraffin-Embedded Normal Human colon carcinoma stained with CEA Antibody (Clone COL-1+CEA31+C66/261).