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Anti-CEA Antibody (3C5C10)

Mouse Monoclonal Antibody
Catalog # ABV12088

Product Information

Application	E
Primary Accession	P06731
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1, κ
Clone Names	3C5C10
Calculated MW	76796

Additional Information

Gene ID	1048
Positive Control	ELISA
Application & Usage	ELISA Capture: 1-10 □g/ml, ELISA Detection: 0.05-0.2 □g/ml
Other Names	CEA, Meconium antigen 100, CD_antigen: CD66e, Carcinoembryonic antigen-related cell adhesion molecule 5
Target/Specificity	Carcinoembryonic antigen
Antibody Form	Liquid
Appearance	Colorless liquid
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-CEA Antibody (3C5C10) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

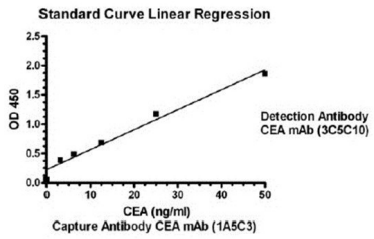
Name	CEACAM5 (HGNC:1817)
Function	Cell surface glycoprotein that plays a role in cell adhesion, intracellular signaling and tumor progression (PubMed:10864933, PubMed:10910050, PubMed:2803308). Mediates homophilic and heterophilic cell adhesion with other carcinoembryonic antigen-related cell adhesion molecules, such as CEACAM6 (PubMed:2803308). Plays a role as an oncogene by promoting tumor progression; induces resistance to anoikis of colorectal carcinoma cells (PubMed:10910050).

Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor; Extracellular side. Apical cell membrane. Cell surface Note=Localized to the apical glycocalyx surface
Tissue Location	Expressed in columnar epithelial and goblet cells of the colon (at protein level) (PubMed:10436421). Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon.

Background

Carcinoembryonic antigen (CEA) is a complex glycoprotein of molecular weight 200 kDa. In healthy adults, less than 5 ng/ml of CEA is found in the serum. Elevation of CEA antigen is found in the blood of patients with cancer of the lung, liver, pancreas, breast, cervix, prostate and so on. CEA measurement is mainly used as a tumor marker to identify recurrences after surgical resection, or localize cancer spread though dosage of biological fluids. The CEA blood test is not reliable for diagnosing cancer. CEA levels may also be raised in some conditions like ulcerative colitis, pancreatitis and cirrhosis. CEA Antibody is produced from the hybridoma resulting from fusion of SP2/0-Ag14 myeloma and B-lymphocytes obtained from mouse immunized with native human CEA protein

Images



Antibody pairs analysis of CEA monoclonal antibodies by Sandwich ELISA

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.