CEA Antibody – Mouse Monoclonal

PRODUCT OVERVIEW

Product Name	CEA, Monoclonal Antibody
Full Product Name	CEA Monoclonal Antibody
Product Gene Name	anti-CEA antibody
Clonality	Monoclonal
Clone Number	YN00176m
Host	Mouse
Species Reactivity	Human
Preparation and Storage	The concentrated should be stored at -20 degree C protecting from light,Valid for 12 months.
Molecular Weight	76,795 Da
OMIM	114890
3D Structure	ModBase 3D Structure for P06731
Product Categories/Family for anti-CEA antibody	Pathology Antibodies; Primary Antibodies; Concentrated Antibodies
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-CEA antibody	Immunohistochemistry-Paraffin (IHC-P)
Related Product Information for anti-CEA antibody	CEA is a kind of embryonic cancer antigen, which normally express in fetal digestive tract epithelium, pancreas and liver. CEA antibodies can be used to classify the adenocarcinoma, especially in the gastrointestinal tract, including colon and pancreatic cancers. CEA also helps to distinguish secretory meningioma from medullary thyroid cancer.
Other Notes	Small volumes of anti-CEA antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CEA purchase	MBS2579868 is an antibody targeting CEA. Also known as CEA Monoclonal Antibody. Reactive in Human. Host: Mouse.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CEA. It may not necessarily be applicable to this product.

NCBI GI #	317373456
NCBI GeneID	1048
NCBI Accession #	P06731.3
UniProt Primary Accession #	P06731
UniProt Secondary Accession #	H9KVA7
UniProt Related Accession #	P06731
NCBI Official Full Name	Carcinoembryonic antigen-related cell adhesion molecule 5
NCBI Official Synonym Full Names	carcinoembryonic antigen-related cell adhesion molecule 5

NCBI Official Symbol	CEACAM5
NCBI Official Synonym Symbols	CEA; CD66e
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 5
UniProt Synonym Protein Names	Carcinoembryonic antigen; CEA; Meconium antigen 100
Protein Family	Colicin
UniProt Gene Name	CEACAM5
UniProt Synonym Gene Names	CEA; CEA
UniProt Entry Name	CEAM5_HUMAN
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 5; meconium antigen 100
NCBI Summary for CEA	Members of the CEACAM subfamily, including CEACAM5, belong to the CEA gene family. For general information on the CEA gene family, see CEACAM1 (MIM 109770).[supplied by OMIM, Oct 2009]
UniProt Comments for CEA	CEACAM5: Cell surface glycoprotein that plays a role in cell adhesion and in intracellular signaling. Receptor for E.coli Dr adhesins. Homodimer. Binding of E.coli Dr adhesins leads to dissociation of the homodimer. Found in adenocarcinomas of endodermally derived digestive system epithelium and fetal colon. Belongs to the immunoglobulin superfamily. CEA family. Protein type: Membrane protein, integral; Immunoglobulin superfamily; Membrane protein, GPI anchor Chromosomal Location of Human Ortholog: 19q13.1-q13.2 Cellular Component: basolateral plasma membrane; integral to plasma membrane Molecular Function: identical protein binding; protein homodimerization activity Biological Process: homotypic cell-cell adhesion; negative regulation of apoptosis
Research Articles on CEA	**1.** Results show that scFvs against HER-2/neu and carcinoembryonic antigen (CEA) were isolated.
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