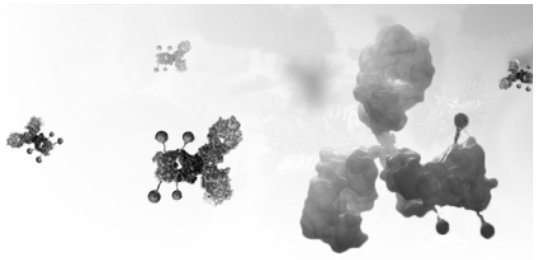

Anti-Carcinoembryonic antigen monoclonal antibody, clone NM12D12 (DCABH-20068)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	McAb to Carcinoembryonic Ag Monoclonal Antibody to Carcinoembryonic Antigen (CEA)
Antigen Description	Carcinoembryonic antigen (CEA) describes a set of highly related glycoproteins involved in cell adhesion. CEA is normally produced in gastrointestinal tissue during fetal development, but the production stops before birth. Therefore CEA is usually present only at very low levels in the blood of healthy adults. However, the serum levels are raised in some types of cancer, which means that it can be used as a tumor marker in clinical tests. Serum levels can also be elevated in heavy smokers. CEA are glycosyl phosphatidyl inositol (GPI) cell surface anchored glycoproteins whose specialized sialofucosylated glycoforms serve as functional colon carcinoma L-selectin and E-selectin ligands, which may be critical to the metastatic dissemination of colon carcinoma cells. Immunologically they are characterized as members of the CD66 cluster of differentiation.
Specificity	Human Carcinoembryonic Antigen
Target	Carcinoembryonic antigen
Immunogen	CEA isolated from colorectal carcinomas by PCA extraction.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	NM12D12
Affinity Constant	5.0 x 10^-9 mol/l

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Purification	Protein A chromatography followed by gel filtration.
Conjugate	Unconjugated
Applications	ELISA, CLIA, RIA, IHC, WB
Format	Purified, Liquid
Concentration	2mg/ml (OD280nm, E0.1% = 1.35)
Size	1 mg
Buffer	0.01M PBS, 0.15M NaCl, pH 7.4
Preservative	None
Storage	Store at < -20°C.

BACKGROUND

Introduction	Carcinoembryonic antigen (CEA) describes a set of highly related glycoproteins involved in cell adhesion. CEA is normally produced in gastrointestinal tissue during fetal development, but the production stops before birth. Therefore CEA is usually present
Keywords	Carcinoembryonic antigen; CEA;

GENE INFORMATION

Entrez Gene ID	1048
UniProt ID	P06731

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