

Mouse carcinoembryonic antigen-related cell adhesion molecule 5 ELISA Kit | CEACAM5 elisa kit

Mouse carcinoembryonic antigen, CEA ELISA Kit

CATALOG # AAA79858	REACTIVITY Mouse
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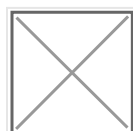
PRODUCT SYNONYMS

carcinoembryonic antigen-related cell adhesion molecule 5; Mouse carcinoembryonic antigen; CEA ELISA Kit; CD66e; CEA; DKFZp781M2392; OTTHUMP00000199034; CEACAM5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse CEACAM5. No significant cross-reactivity or interference between Mouse CEACAM5 and analogues was observed.
Sequence Length	947
Samples	Serum, plasma, tissue homogenates
Detection Range	62.5 pg/ml-4000 pg/ml
Sensitivity	15.6 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CEACAM5 elisa kit	Introduction: Carcinoembryonic antigen (CEA) is a glycoprotein involved in cell adhesion. It is normally produced during fetal development, but the production of CEA stops before birth. Therefore, it is not usually present in the blood of healthy adults, although levels are raised in heavy smokers. CEA is a glycosyl phosphatidyl inositol (GPI)-cell surface anchored glycoprotein 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. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CEA. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for CEA and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain CEA, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of CEA in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110625985
NCBI GeneID	73250
NCBI Accession #	NP_082756.1
NCBI GenBank Nucleotide #	NM_028480.2
UniProt Accession #	Q3UUK2
Molecular Weight	106,270 Da
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	Psg30; 1600029H12Rik
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 5; pregnancy-specific glycoprotein 30
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 5
UniProt Gene Name	Ceacam5
UniProt Synonym Gene Names	Psg30
UniProt Entry Name	CEAM5_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/ceacam5-mouse-elisa-kits/carcinoembryonic-antigen-related-cell-adhesion-molecule-5/79858>