

Human CEA ELISA Kit | CEACAM5 elisa kit

Human CEA PicoKine ELISA Kit

CATALOG #
AAA45195

REACTIVITY
Human

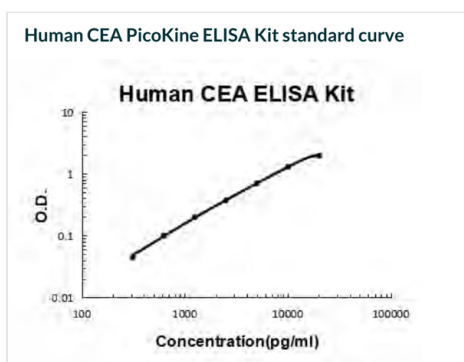
PRODUCT SYNONYMS

CEA; Human CEA PicoKine ELISA Kit; Carcinoembryonic antigen-related cell adhesion molecule 5; carcinoembryonic antigen-related cell adhesion molecule 5; Carcinoembryonic antigen ; Carcinoembryonic antigen related cell adhesion molecule 5; CD66e; CD66e antigen; CEACAM 5; CEACAM5; DKFZp781M2392; Meconium antigen 100; CEACAM5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CEACAM5
Sequence Length	702
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	312 pg/ml - 20,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CEACAM5 elisa kit	Background: Carcinoembryonic antigen (CEA) is a complex immunoreactive glycoprotein with a molecular weight of 180,000 comprising 60% carbohydrate. It is found in adenocarcinomas of endodermally derived digestive system epithelia and in fetal colon.Carcinoembryonic antigen is one of the most widely used tumor markers in serum immunoassay determinations of carcinoma. Principle of the Assay: The Picokine™ Human CEACAM5 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CEACAM5 with a 96-well strip plate that is pre-coated with antibody specific for CEACAM5. The detection antibody is a biotinylated antibody specific for CEACAM5. The capture antibody is polyclonal antibody from rabbit and the detection antibody is polyclonal antibody from rabbit. The kit contains recombinant Human CEACAM5 with immunogen: Expression system for standard: NS0; Immunogen sequence: K35-A685. The kit is analytically validated with ready-to-use reagents. To measure Human CEACAM5, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Human CEACAM5 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CEACAM5 in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	317373456
NCBI GeneID	1048
UniProt Accession #	P06731; H9KVA7
Molecular Weight	76,724 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	CEA; CD66e
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 5; meconium antigen 100
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 5
UniProt Gene Name	CEACAM5
UniProt Synonym Gene Names	CEA; CEA
UniProt Entry Name	CEAM5_HUMAN

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.