

Human Carcinoembryonic Antigen Related Cell Adhesion Molecule 7 (CEACAM7) ELISA Kit | CEACAM7 elisa kit

Human Carcinoembryonic Antigen Related Cell Adhesion Molecule 7 (CEACAM7) ELISA Kit

CATALOG #

AAA65011

REACTIVITY

Human

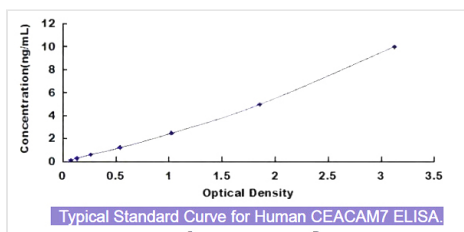
PRODUCT SYNONYMS

Carcinoembryonic Antigen Related Cell Adhesion Molecule 7 (CEACAM7); Human Carcinoembryonic Antigen Related Cell Adhesion Molecule 7 (CEACAM7) ELISA Kit; CGM2; CEA; Carcinoembryonic Antigen Gene Family Member 2; CEACAM7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CEACAM7. No significant cross-reactivity or interference between CEACAM7 and analogues was observed.
Sequence Length	265
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.062ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CEACAM7 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CEACAM7 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CEACAM7 elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CEACAM7. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CEACAM7. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CEACAM7, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of CEACAM7 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CEACAM7 in human tissue homogenates, cell lysates or other biological fluids.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	612407773
NCBI GeneID	1087
NCBI Accession #	NP_001278414.1
NCBI GenBank Nucleotide #	NM_001291485.1
UniProt Accession #	Q14002; O15148; O15149; Q0VAC1; Q13983; Q9UPJ2; A8K848
Molecular Weight	19,031 Da
NCBI Official Full Name	carcinoembryonic antigen-related cell adhesion molecule 7 preproprotein
NCBI Official Synonym Full Names	carcinoembryonic antigen related cell adhesion molecule 7
NCBI Official Symbol	CEACAM7
NCBI Official Synonym Symbols	CGM2
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 7
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 7
UniProt Gene Name	CEACAM7
UniProt Synonym Gene Names	CGM2

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/carcinoembryonic-antigen-related-cell-adhesion-molecule-7-ceacam7/65011>