

Human CEACAM3 ELISA Kit | CEACAM3 elisa kit

Human CEACAM3 ELISA Kit PicoKine

CATALOG # AAA126710	REACTIVITY Human	APPLICATIONS ELISA
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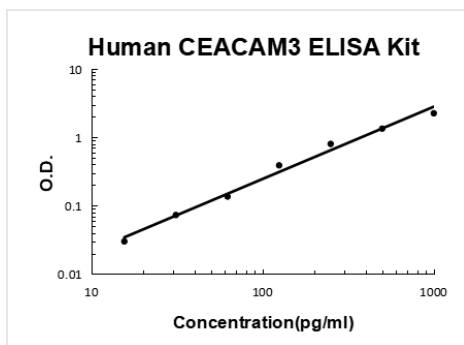
PRODUCT SYNONYMS

CEACAM3; Human CEACAM3 ELISA Kit PicoKine; CEACAM3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human CEACAM3
Samples	Cell culture supernatants, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<10 pg/ml
Applicable Applications for CEACAM3 elisa kit	ELISA
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 (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)

Human CEACAM3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CEACAM3 elisa kit	Background: Carcinoembryonic antigen-related cell adhesion molecule 3 (CEACAM3) also known as CD66d (Cluster of Differentiation 66d), is a member of the carcinoembryonic antigen (CEA) gene family. This gene encodes a member of the family of carcinoembryonic antigen-related cell adhesion molecules (CEACAMs), which are used by several bacterial pathogens to bind and invade host cells. The encoded transmembrane protein directs phagocytosis of several bacterial species that is dependent on the small GTPase Rac. It is thought to serve an important role in controlling humanspecific pathogens by the innate immune system. Alternatively spliced transcript variants have been described. Principle of the Assay: The Picokine™ Human CEACAM3 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human CEACAM3 with a 96-well strip plate that is pre-coated with antibody specific for CEACAM3. The detection antibody is a biotinylated antibody specific for CEACAM3. The capture antibody is a monoclonal antibody from mouse and the detection antibody is a biotinylated polyclonal antibody from goat. The kit includes Human CEACAM3 protein as standards. To measure Human CEACAM3, 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 CEACAM3 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 CEACAM3 in the sample.
Product Categories/Family for CEACAM3 elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	218511974
NCBI GeneID	1084
UniProt Accession #	P40198 ; Q3KPH9 ; G5E978
Molecular Weight	252
NCBI Official Full Name	Carcinoembryonic antigen-related cell adhesion molecule 3
NCBI Official Synonym Full Names	carcinoembryonic antigen-related cell adhesion molecule 3
NCBI Official Symbol	CEACAM3
NCBI Official Synonym Symbols	CEA; CGM1; W264; W282; CD66D
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 3; CD66d antigen; carcinoembryonic antigen CGM1; nonspecific cross-reacting antigen; carcinoembryonic antigen gene family member 1
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 3
UniProt Gene Name	CEACAM3
UniProt Synonym Gene Names	CD66D; CGM1
UniProt Entry Name	CEAM3_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/ceacam3/126710>