

Human Carcinoembryonic antigen related cell adhesion molecule 1 (CEACAM1) ELISA Kit | CEACAM1 elisa kit

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CATALOG # AAA246399	REACTIVITY Human
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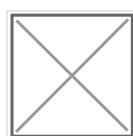
PRODUCT SYNONYMS

Carcinoembryonic antigen related cell adhesion molecule 1 (CEACAM1); Human Carcinoembryonic antigen related cell adhesion molecule 1 (CEACAM1) ELISA Kit; CEACAM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CEACAM1 elisa kit	Intended Uses: This CEACAM-1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CEACAM-1. This ELISA kit for research use only! Principle of the Assay: CEACAM-1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CEACAM-1 antibody and an CEACAM-1-HRP conjugate. The assay sample and buffer are incubated together with CEACAM-1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CEACAM-1 concentration since CEACAM-1 from samples and CEACAM-1-HRP conjugate compete for the anti-CEACAM-1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CEACAM-1 from the sample, fewer sites are left to bind CEACAM-1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CEACAM-1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CEACAM1 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	85719299
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NCBI GeneID	26365
NCBI Accession #	NP_001034274.1
NCBI GenBank Nucleotide #	NM_001039185.1
Molecular Weight	37,271 Da
NCBI Official Full Name	carcinoembryonic antigen-related cell adhesion molecule 1 isoform 1
NCBI Official Synonym Full Names	carcinoembryonic antigen-related cell adhesion molecule 1
NCBI Official Symbol	Ceacam1
NCBI Official Synonym Symbols	Bgp; Cc1; Hv2; Bgp1; Cea1; Cea7; Hv-2; MHVR; bb-1; C-CAM; CD66a; Cea-1; Cea-7; MHVR1; Mhv-1; mCEA1; mmCGM1; mmCGM2; mmCGM1a
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 1; BGP-1; MHV-R; biliary glycoprotein 1; biliary glycoprotein D; hepatitis virus receptor; carcinoembryonic antigen 1; carcinoembryonic antigen 7; murine hepatitis virus receptor; CEA-related cell adhesion molecule 1; hepatitis virus (MHV-4) susceptibility
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 1
UniProt Gene Name	Ceacam1
UniProt Synonym Gene Names	Bgp; Bgp1; Bgpd; BGP-1; MHV-R
UniProt Entry Name	CEAM1_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/human-elisa-kits/carcinoembryonic-antigen-related-cell-adhesion-molecule-1-ceacam1/246399>