

Monkey Carcinoembryonic antigen-related cell adhesion molecule 7 (CEACAM7) ELISA Kit | CEACAM7 elisa kit

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CATALOG #
AAA247002

REACTIVITY
Monkey

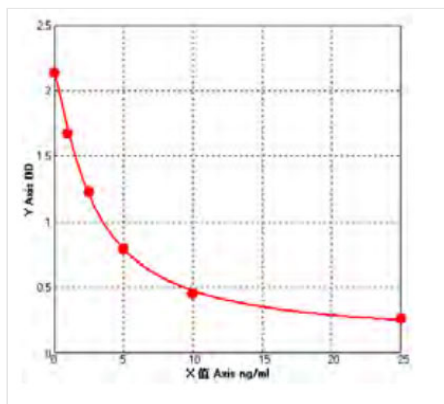
PRODUCT SYNONYMS

Carcinoembryonic antigen-related cell adhesion molecule 7 (CEACAM7); Monkey Carcinoembryonic antigen-related cell adhesion molecule 7 (CEACAM7) ELISA Kit; CEACAM7 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Specificity	This assay has high sensitivity and excellent specificity for detection of CEACAM-7. No significant cross-reactivity or interference between CEACAM-7 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CEACAM-7 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 CEACAM7 elisa kit	Principle of the Assay: CEACAM-7 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CEACAM-7 antibody and an CEACAM-7-HRP conjugate. The assay sample and buffer are incubated together with CEACAM-7-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-7 concentration since CEACAM-7 from samples and CEACAM-7-HRP conjugate compete for the anti-CEACAM-7 antibody binding site. Since the number of sites is limited, as more sites are occupied by CEACAM-7 from the sample, fewer sites are left to bind CEACAM-7-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CEACAM-7 concentration in each sample is interpolated from this standard curve. Intended Uses: This CEACAM-7 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey CEACAM-7. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for CEACAM7 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	612407835
NCBI GeneID	1087
NCBI Accession #	NP_008821.2
NCBI GenBank Nucleotide #	NM_006890.4
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	CEA; CGM2
NCBI Protein Information	carcinoembryonic antigen-related cell adhesion molecule 7; carcinoembryonic antigen CGM2; carcinoembryonic antigen gene family member 2
UniProt Protein Name	Carcinoembryonic antigen-related cell adhesion molecule 7
UniProt Gene Name	CEACAM7
UniProt Synonym Gene Names	CGM2
UniProt Entry Name	CEAM7_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/monkey-elisa-kits/carcinoembryonic-antigen-related-cell-adhesion-molecule-7-ceacam7/247002>