

Human Activated Leukocyte Cell Adhesion Molecule (ALCAM) ELISA Kit | ALCAM elisa kit

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CATALOG #
AAA140138

REACTIVITY
Human

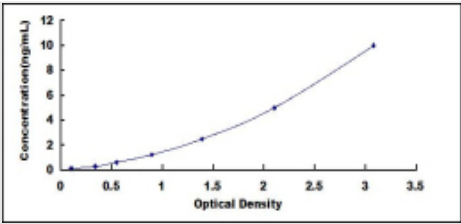
PRODUCT SYNONYMS

Activated Leukocyte Cell Adhesion Molecule (ALCAM); Human Activated Leukocyte Cell Adhesion Molecule (ALCAM) ELISA Kit; CD166; MEMD; Activated Leukocyte Cell Adhesion Molecule; ALCAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Activated Leukocyte Cell Adhesion Molecule (ALCAM). No significant cross-reactivity or interference between Activated Leukocyte Cell Adhesion Molecule (ALCAM) and analogues was observed.
Sequence Length	305
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.068ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Activated Leukocyte Cell Adhesion Molecule (ALCAM) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Activated Leukocyte Cell Adhesion Molecule (ALCAM) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALCAM elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Activated Leukocyte Cell Adhesion Molecule (ALCAM). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Activated Leukocyte Cell Adhesion Molecule (ALCAM). 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 Activated Leukocyte Cell Adhesion Molecule (ALCAM), 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 Activated Leukocyte Cell Adhesion Molecule (ALCAM) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ALCAM elisa kit	CD & Adhesion molecule; Tumor immunity

NCBI AND UNIPROT INFORMATION

NCBI GI #	187951595
NCBI GeneID	214
UniProt Accession #	Q13740; O60892; Q1HGM8; Q1HGM9; Q6PEY4; Q6ZS95; B2RNS3; B4DTU0
Molecular Weight	33,878 Da
NCBI Official Full Name	Activated leukocyte cell adhesion molecule
NCBI Official Synonym Full Names	activated leukocyte cell adhesion molecule
NCBI Official Symbol	ALCAM
NCBI Official Synonym Symbols	MEMD; CD166
NCBI Protein Information	CD166 antigen
UniProt Protein Name	CD166 antigen
UniProt Gene Name	ALCAM
UniProt Synonym Gene Names	MEMD
UniProt Entry Name	CD166_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.