

Human Activated Leukocyte Cell Adhesion Molecule (ALCAM) CLIA Kit | ALCAM clia kit

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CATALOG # AAA188766	REACTIVITY Human	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
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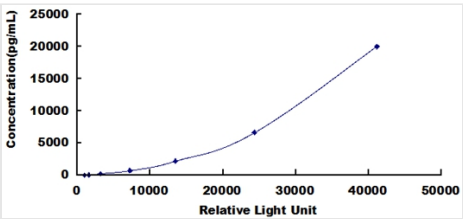
PRODUCT SYNONYMS

Activated Leukocyte Cell Adhesion Molecule (ALCAM); Human Activated Leukocyte Cell Adhesion Molecule (ALCAM) CLIA Kit; Activated Leukocyte Cell Adhesion Molecule; CD166; MEMD; Activated Leucocyte Cell Adhesion Molecule; ALCAM clia 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	583
Assay Type	Double-antibody Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	27.4-20,000pg/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 12.9pg/mL
Applicable Applications for ALCAM clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	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. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Test Principle	The microplate 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 microplate 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. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Activated Leukocyte Cell Adhesion Molecule (ALCAM) level in the sample or standard.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	886258
NCBI GeneID	214
UniProt Accession #	Q13740
NCBI Official Full Name	alcam
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.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/activated-leukocyte-cell-adhesion-molecule-alcam/188766>