

Bovine Activated Leukocyte Cell Adhesion Molecule ELISA Kit | ALCAM elisa kit

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CATALOG # AAA91751	REACTIVITY Bovine
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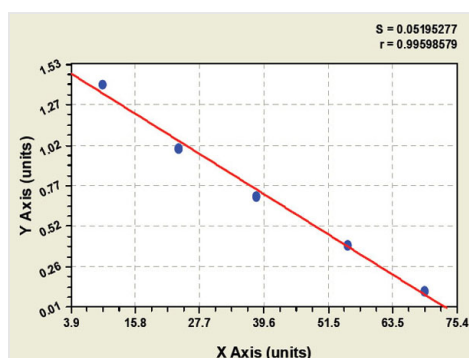
PRODUCT SYNONYMS

Activated Leukocyte Cell Adhesion Molecule; Bovine Activated Leukocyte Cell Adhesion Molecule ELISA Kit; ALCAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This ALCAM ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ALCAM. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ALCAM elisa kit	Principle of the Assay: ALCAM ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ALCAM antibody and an ALCAM-HRP conjugate. The assay sample and buffer are incubated together with ALCAM-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 ALCAM concentration since ALCAM from samples and ALCAM-HRP conjugate compete for the anti-ALCAM antibody binding site. Since the number of sites is limited, as more sites are occupied by ALCAM from the sample, fewer sites are left to bind ALCAM-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ALCAM concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ALCAM elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	886258
NCBI GeneID	214
Molecular Weight	33,878 Da
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/alcam-bovine-ovine-elisa-kits/activated-leukocyte-cell-adhesion-molecule/91751>