Activated Leukocyte Cell Adhesion Molecule (ALCAM) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Activated Leukocyte Cell Adhesion Molecule (ALCAM), ELISA Kit
Full Product Name	Human Activated Leukocyte Cell Adhesion Molecule ELISA Kit
Product Gene Name	ALCAM elisa kit
Species Reactivity	Human
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	65,102 Da
Chromosome Location	Chromosome: 3; NC_000003.11 (105085557..105295757). Location: 3q13.1
OMIM	601662
3D Structure	ModBase 3D Structure for Q13740
Related Product Information for ALCAM elisa kit	MBS024517 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Activated Leukocyte Cell Adhesion Molecule (ALCAM) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ALCAM. The ELISA analytical biochemical technique of the MBS024517 kit is based on ALCAM antibody-ALCAM antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ALCAM antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ALCAM. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of ALCAM elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ALCAM. It may not necessarily be applicable to this product.

NCBI GI #	886258
NCBI GeneID	214
NCBI Accession #	AAB59499.1
UniProt Primary Accession #	Q13740
UniProt Secondary Accession #	O60892; Q1HGM8; Q1HGM9; B2RNS3; B4DTU0
UniProt Related 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
UniProt Protein Name	CD166 antigen
UniProt Synonym Protein Names	Activated leukocyte cell adhesion molecule

Protein Family	CD166 antigen
UniProt Gene Name	ALCAM
UniProt Synonym Gene Names	MEMD
UniProt Entry Name	CD166_HUMAN
NCBI Protein Information	CD166 antigen
NCBI Summary for ALCAM	This gene encodes activated leukocyte cell adhesion molecule (ALCAM), also known as CD166 (cluster of differentiation 166), which is a member of a subfamily of immunoglobulin receptors with five immunoglobulin-like domains (VVC2C2C2) in the extracellular domain. This protein binds to T-cell differentiation antigene CD6, and is implicated in the processes of cell adhesion and migration. Multiple alternatively spliced transcript variants encoding different isoforms have been found. [provided by RefSeq, Aug 2011]
UniProt Comments for ALCAM	ALCAM: Cell adhesion molecule that binds to CD6. Involved in neurite extension by neurons via heterophilic and homophilic interactions. May play a role in the binding of T- and B-cells to activated leukocytes, as well as in interactions between cells of the nervous system. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Cell adhesion; Membrane protein, integral Chromosomal Location of Human Ortholog: 3q13.1 Cellular Component: focal adhesion; cell soma; axon; integral to membrane; external side of plasma membrane Molecular Function: protein binding; receptor binding Biological Process: axon guidance; motor axon guidance; signal transduction; cell adhesion
Research Articles on ALCAM	**1.** retention of intact ALCAM was associated with improved survival
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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