

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

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CATALOG #
AAA331992

REACTIVITY
Human

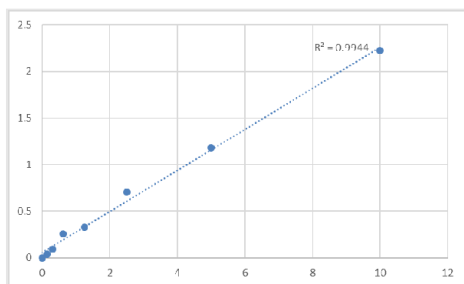
PRODUCT SYNONYMS

Activated Leukocyte Cell Adhesion Molecule (ALCAM); Human Activated Leukocyte Cell Adhesion Molecule (ALCAM) ELISA Kit; ALCAM; CD166; FLJ38514; MEMD; MGC71733; activated leucocyte cell adhesion molecule; ALCAM elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Activated Leukocyte Cell Adhesion Molecule (ALCAM) ELISA Kit has high sensitivity and excellent specificity for detection of Human ALCAM. No significant cross-reactivity or interference between Human ALCAM and analogues was observed.
Sequence Length	583
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Activated Leukocyte Cell Adhesion Molecule (ALCAM) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for ALCAM elisa kit	Description: This Human Activated Leukocyte Cell Adhesion Molecule (ALCAM) ELISA Kit employs a two-site sandwich ELISA to quantitate ALCAM in samples. An antibody specific for ALCAM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ALCAM present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ALCAM is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ALCAM bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: ALCAM/CD166 is a member of the immunoglobulin gene superfamily belonging to a subgroup with five extracellular immunoglobulin-like domains(VVC2C2C2), which includes MCAM/CD146/MUC18 and B-CAM/Lutheran. These molecules are involved in the development and maintenance of tissue architecture, neurogenesis, hematopoiesis, immune responses and tumor progression. ALCAM/CD166 mediates cell-cell clustering through homophilic (ALCAM-ALCAM) and heterophilic (ALCAM-CD6) interactions. Its pattern of expression in human tissues and cells is broad and includes epithelia, neurons, lymphoid and myeloid cells, hematopoietic and mesenchymal stem cells. The relevance of the engagement of the heterophilic pair CD166-CD6 for optimal activation of T cells has been recently demonstrated.
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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.