

Recombinant Human ALCAM

Cat. No. ALCAM-27218TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment corresponding to amino acids 28-137 of Human CD166, with a proprietary tag; predicted MWt 37.73kDa inclusive of tag;
Species	Human
Source	Wheat Germ
ProteinLength	110 amino acids
Description	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.
Molecular Weight	37.730kDa inclusive of tags
Tissue specificity	Spleen, placenta, liver, and weakly in liver. Expressed by activated T-cells, B-cells, monocytes and thymic epithelial cells. Expressed by neurons in the brain. Restricted expression in tumor cell lines. Preferentially expressed in highly metastasizing me
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	WYTVNSAYGDTIIIPCRLDVPQNL MFGKWYKPKDGSPVFIAFRSSTKKS VQYDDVP EYKDRLNLSENYTLSISNARISDEKRFVCMLVTE DNVFEAPTIVKVFKQPSKP
Sequence Similarities	Contains 3 Ig-like C2-type (immunoglobulin-like) domains. Contains 2 Ig-like V-type (immunoglobulin-like) domains.

GENE INFORMATION

Gene Name	ALCAM activated leukocyte cell adhesion molecule [Homo sapiens]
Official Symbol	ALCAM
Synonyms	ALCAM; activated leukocyte cell adhesion molecule; activated leucocyte cell adhesion molecule; CD166 antigen; CD166; MEMD;
Gene ID	214
mRNA Refseq	NM_001243280
Protein Refseq	NP_001230209
MIM	601662
Uniprot ID	Q13740
Chromosome Location	3q13.1

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Pathway

Axon guidance, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Developmental Biology, organism-specific biosystem; L1CAM interactions, organism-specific biosystem;

Function

receptor binding;

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