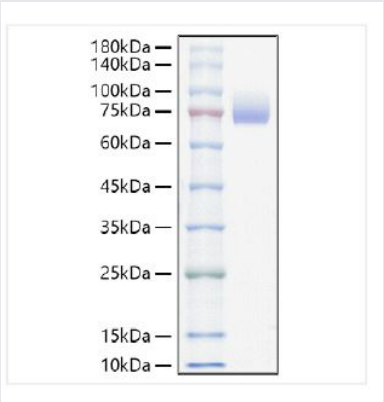
ALCAM/CD166 Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	ALCAM/CD166, Recombinant Protein
Full Product Name	Recombinant Mouse ALCAM/CD166 Protein
Product Gene Name	ALCAM/CD166 recombinant protein
Product Synonym Names	CD166; MEMD; ALCAM
Host	HEK293 cells
Form/Format	Liquid Lyophilized from a 0.22 um filtered solution of PBS, pH 7.4.
Purity/Purification	> 95% by SDS-PAGE.
Preparation and Storage	Store the lyophilized protein at -20 to -80 degree C for 12 months. After reconstitution, the protein solution is stable at -20 degree C for 3 months, at 2-8 degree C for up to 1 week. Avoid repeated freeze/thaw cycles. Ship: Ice Pack
Molecular Weight	65,092 Da
3D Structure	ModBase 3D Structure for Q61490
Species	Mouse
Tag	C-His
Product Categories/Family for ALCAM/CD166 recombinant protein	Other Recombinant Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ALCAM/CD166 recombinant protein	Recombinant Mouse ALCAM/CD166 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Trp28-Lys527) of mouse ALCAM/CD166 (Accession #NP_033785.1) fused with a 6×His tag at the C-terminus.
Other Notes	Small volumes of ALCAM/CD166 recombinant protein 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.
Searchable Terms for ALCAM/CD166 purchase	MBS9146860 is a recombinant protein targeting ALCAM/CD166. Also known as Recombinant Mouse ALCAM/CD166 Protein. Host: HEK293 cells.



SDS-Page of ALCAM/CD166 recombinant protein
Recombinant Mouse ALCAM/CD166 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 70-75 kDa.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ALCAM/CD166. It may not necessarily be applicable to this product.

NCBI GI #	31791059
NCBI GeneID	11658
NCBI Accession #	NP_033785.1
UniProt Primary Accession #	Q61490
UniProt Secondary Accession #	O70136; Q8CDA5; Q8R2T0
UniProt Related Accession #	Q61490
GenBank Nucleotide #	NM_009655.2
NCBI Official Full Name	CD166 antigen
NCBI Official Synonym Full Names	activated leukocyte cell adhesion molecule
NCBI Official Symbol	Alcam
NCBI Official Synonym Symbols	BEN; SC1; MuSC; CD166; AI853494; DM-GRASP
UniProt Protein Name	CD166 antigen
UniProt Synonym Protein Names	Activated leukocyte cell adhesion molecule
UniProt Gene Name	Alcam
UniProt Entry Name	CD166_MOUSE
NCBI Protein Information	CD166 antigen

UniProt Comments for ALCAM/CD166	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: Membrane protein, integral; Cell adhesion Cellular Component: axon; cell projection; cell soma; external side of plasma membrane; focal adhesion; immunological synapse; integral to membrane; intrinsic to plasma membrane; membrane; plasma membrane; T cell receptor complex Molecular Function: protein binding Biological Process: adaptive immune response; axon guidance; cell adhesion; heterophilic cell adhesion; immune system process; motor axon guidance
Research Articles on ALCAM/CD166	**1.** Our results indicate that the loss of CD166 impacts hematopoietic stem cell numbers
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