ALCAM /CD166 Mouse Recombinant Protein

PRODUCT OVERVIEW

Product Name	ALCAM /CD166, Recombinant Protein
Full Product Name	Recombinant Mouse ALCAM /CD166 protein, C-Fc Tag
Product Gene Name	ALCAM /CD166 recombinant protein
Host	Mammalian cells
Form/Format	Lyophilized. Lyophilized from PBS pH 7.4, 5% Trehalose, 5% Mannose, 1mM EDTA.
Purity/Purification	>90% as determined by SDS-PAGE
Preparation and Storage	Store at 2 to 8 degree C for one week. Store at -20 to -80 degree C for twelve months from the date of receipt. Use a manual defrost freezer and avoid repeated freeze thaw cycles. In general, proteins are provided as lyophilized powder/frozen liquid. They are shipped out with dry ice/blue ice unless customers require otherwise.
Molecular Weight	65,092 Da
3D Structure	ModBase 3D Structure for Q61490
Tag	C-Fc Tag
Species	Mus musculus (Mouse)
Endotoxin Level	<1.0EU per ug of the protein as determined by the LAL method.
Protein Construction	A DNA sequence encoding the mouse Alcam (Trp28-Lys527) was fused with the C-terminal Fc Tag
Reconstitution	Reconstitute in sterile water for a stock solution.
Product Categories/Family for ALCAM /CD166 recombinant protein	Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ALCAM /CD166 recombinant protein	MBS1560678 is a recombinant protein targeting ALCAM /CD166. Also known as Recombinant Mouse ALCAM /CD166 protein, C-Fc Tag. Host: Mammalian cells.
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.

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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