

Active Recombinant Mouse Alcam Protein, hlgG/His-tagged

Cat. No. Alcam-01M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse ALCAM (28-527aa), fused to hlgG-His-tag at C-terminus, was expressed in Insect cell and purified by using conventional chromatography techniques.
Species	Mouse
Source	Insect Cells
ProteinLength	28-527aa
Description	Predicted to enable identical protein binding activity. Acts upstream of or within motor neuron axon guidance. Located in axon; external side of plasma membrane; and neuronal cell body. Is expressed in several structures, including alimentary system; central nervous system; genitourinary system; sensory organ; and vibrissa.
Form	Liquid
Bio-activity	Measured by its ability to block the adhesion of Jurkat human acute T cell leukemia cells to immobilized Recombinant Human CD6. When cells are added to 1 µg/mL of mouse ALCAM binded to CD6, This effect is more to 50%.
Molecular Mass	83.1 kDa (739aa)
AA Sequence	WYTVNSAYGDTIVMPCRLDVPQNL MFGKWKEYE KPDGSPVFIAFRSSTKKS VQYDDV PEYKDRLSLSENYTL SIANAKISDEKRFV CMLVTEDNVFEAPTLVKVFKQPSKPEIVN

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KAPFLETDLKLLGDCISRDSYPDGNITWYRNGKVLQPVEGEVAILFKKEIDPGTQLY
 TVTSSLEYKTTTRSDIQMPFTCSVTYYGPSGQKTIYSEQEIFDIYYPTEQVTIQVLPPKN
 AIKEGDNITLQCLGNGNPPPEEFMFYLPQGPEGIRSSNTYTLTDVRRNATGDYKCSLI
 DKRNMAASTTITVHYLDLSLNPSGEVTKQIGDTLPVSCTISASRNATVWWMKDNIRLR
 SSPSFSSLHYQDAGNYVCETALQEVEGLKKRESLT LIVEGKPQIKMTKKTDPSGLSK
 TIICHVEGFPPKPAIHWITGSGSVINQTEESPYINGRYYSKIIISPEENVTLTCTAENQLE
 RTVNSLNVSAISIPEHDEADDISDENREKVNDQAK

Endotoxin	< 1 EU/μg of protein (determined by LAL method)
Purity	> 90% by SDS-PAGE
Applications	SDS-PAGE, Bioactivity
Storage	Can be stored at +2 to +8 centigrade for 1 week. For long term storage, aliquot and store at -20 to -80 centigrade. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/mL (determined by Bradford assay)
Storage Buffer	Phosphate-Buffered Saline (pH 7.4) containing 50% glycerol

GENE INFORMATION

Gene Name	Alcam activated leukocyte cell adhesion molecule [<i>Mus musculus</i> (house mouse)]
Official Symbol	Alcam
Synonyms	Alcam; activated leukocyte cell adhesion molecule; BEN; SC1; MuSC; CD166; AI853494; DM-GRASP; CD166 antigen
Gene ID	11658

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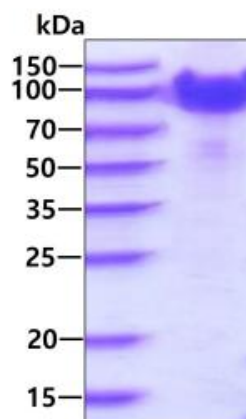
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mRNA Refseq [NM_009655](#)

Protein Refseq [NP_033785](#)

UniProt ID [Q61490](#)

SDS-PAGE



3 µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain

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