

# Active Recombinant Mouse Alcam protein(Met1-Lys527), His&hFc-tagged

**Cat. No.** Alcam-624M    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse ALCAM (NP_033785.1)(Met 1-Lys 527) precursor was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of Human IgG1 at the C-terminus.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Lys527
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Bio-activity</b>	Immobilized mouse CD6-His at 10 µg/ml (100 µl/well) can bind mouse ALCAM-Fc2h, The EC50 of mouse ALCAM-Fc2h is 0.12-0.28 µg/ml.
<b>Molecular Mass</b>	The recombinant mouse ALCAM/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 748 amino acids and has a predicted molecular mass of 84.2 kDa. Due to glycosylation, in SDS-PAGE under reducing conditions, rmALCAM/Fc migRates with approximately molecular mass of 105-110 kDa & 210 kDa corresponding to the monomer and homodimer.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method

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1/2

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<b>Purity</b>	> 95 % as determined by SDS-PAGE
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<b>Gene Name</b>	Alcam activated leukocyte cell adhesion molecule [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	Alcam
<b>Synonyms</b>	ALCAM; activated leukocyte cell adhesion molecule; CD166 antigen; BEN; SC1; MuSC; CD166; AI853494; DM-GRASP; MGC27910;
<b>Gene ID</b>	11658
<b>mRNA Refseq</b>	NM_009655
<b>Protein Refseq</b>	NP_033785

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2/2

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