

Active Recombinant Rat ALCAM protein(Met1-Lys527), hFc-tagged

Cat. No. ALCAM-1355R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ALCAM (O35112) (Met1-Lys527) was expressed in HEK293 with the Fc region of human IgG1 at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	Met1-Lys527
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Bio-activity	Immobilized Rat CD6-His at 10 µg/ml (100 µl/well) can bind Rat ALCAM-Fc3, The EC50 of Rat ALCAM-Fc3 is 19.5-45.5 ng/ml.
Molecular Mass	The recombinant Rat ALCAM/Fc is a disulfide-linked homodimer. The reduced monomer comprises 741 amino acids and has a predicted molecular mass of 83.1 kDa. The apparent molecular mass of the protein is approximately 94 kDa in SDS-PAGE under reducing conditions due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 95 % as determined by SDS-PAGE

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Storage 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.

Reconstitution 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

Gene Name *Alcam activated leukocyte cell adhesion molecule [Rattus norvegicus]*

Official Symbol *ALCAM*

Synonyms ALCAM; activated leukocyte cell adhesion molecule; CD166 antigen; HB2; KG-CAM; SB-10 antigen;

Gene ID *79559*

mRNA Refseq *NM_031753*

Protein Refseq *NP_113941*

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