

Active Recombinant Mouse Icam1 protein(Met1-Asn485), His&hFc-tagged

Cat. No. Icam1-3323M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ICAM1 (NP_034623.1) (Met 1-Asn 485) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of Human IgG1 at the C-terminus.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Asn485
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	Measured by the ability of the immobilized protein to support the adhesion of PMA-stimulated HSB2 human peripheral blood acute lymphoblastic leukemia cells. When cells are added to mouse ICAM1 coated plates (12.5 µg/ml, 100 µl/well), approximately >50% cells will adhere specifically .
Molecular Mass	The recombinant mouse ICAM1/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 706 amino acids and has a predicted molecular mass of 78.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm ICAM1/Fc monomer is approximately 120-130 kDa due to glycosylation.

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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 96 % as determined by SDS-PAGE
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	Icam1 intercellular adhesion molecule 1 [Mus musculus]
Official Symbol	Icam1
Synonyms	ICAM1; intercellular adhesion molecule 1; myD10; CD54; Ly-47; Icam-1; MALA-2; MGC6195;
Gene ID	15894
mRNA Refseq	NM_010493
Protein Refseq	NP_034623

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