

Active Recombinant Mouse Icam2 protein, hFc-tagged

Cat. No. Icam2-4067M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Icam2 protein(NP_034624.1)(Met1-Gln222), fused with hFc tag, was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Gln222
Form	Lyophilized from sterile 50mM Tris-Citric acid, 150mM NaCl, pH 5.5Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
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 ICAM2 coated plates (12.5 µg/ml, 100 µl/well), approximately 25-40% will adhere specifically.
Molecular Mass	The secreted recombinant mouse ICAM2/Fc is a disulfide-linked homodimeric protein. The reduced monomer comprises 444 amino acids and has a predicted molecular mass of 50 kDa. As a result of glycosylation, the apparent molecular mass of rm ICAM2/Fc monomer is approximately 60-70 kDa in SDS-PAGE under reducing conditions.

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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 93 % 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	Icam2 intercellular adhesion molecule 2 [Mus musculus]
Official Symbol	Icam2
Synonyms	ICAM2; intercellular adhesion molecule 2; lymphocyte function-associated AG-1 counter-receptor; CD102; Ly-60; Icam-2;
Gene ID	15896
mRNA Refseq	NM_010494
Protein Refseq	NP_034624

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