

Active Recombinant Human ICAM2 protein(Met1-Gln223), His&hFc-tagged

Cat. No. ICAM2-603H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ICAM2 (NP_000864.2)(Met 1-Gln 223) was expressed in HEK293, fused with the C-terminal polyhistidine-tagged Fc region of Human IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Gln223
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 ICAM2-coated plates (12.5 µg/mL, 100 µL/well), approximately 50 % - 60 % will adhere specifically.
Molecular Mass	The recombinant human ICAM2/Fc is a disulfide-linked homodimer after removal of the signal peptide. The reduced monomer consists of 449 amino acids and has a predicted molecular mass of 50.3 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhICAM2/Fc monomer is approximately 85-95 kDa due to glycosylation.

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Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 97 % 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 [Homo sapiens]
Official Symbol	ICAM2
Synonyms	ICAM2; intercellular adhesion molecule 2; CD102; ICAM-2;
Gene ID	3384
mRNA Refseq	NM_000873
Protein Refseq	NP_000864
MIM	146630
UniProt ID	P13598

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