

Active Recombinant Human ICAM1 protein, His-tagged

Cat. No. ICAM1-2249H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ICAM1 (Met 1-Glu 480) protein was fused to His-tag at C-terminus and expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Met 1-Glu 480
Form	Lyophilized from sterile 50 mM Tris, pH 8.0. 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 ICAM1-coated plates (12.5 µg/ml, 100 µl/well), approximately 30%-60% will adhere specifically.
Molecular Mass	The recombinant human ICAM1 consists of 464 amino acids and has a predicted molecular mass of 51 kDa. As a result of glycosylation, the apparent molecular mass of rhICAM1 is approximately 65-70 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	≥ 98 % as determined by SDS-PAGE ≥ 90 % as determined by SEC-HPLC.

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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 ICAM1 intercellular adhesion molecule 1 [Homo sapiens]

Official Symbol ICAM1

Synonyms ICAM1; intercellular adhesion molecule 1; BB2; CD54; human rhinovirus receptor; ICAM-1; cell surface glycoprotein P3.58; major group rhinovirus receptor; intercellular adhesion molecule 1 (CD54), human rhinovirus receptor; P3.58;

Gene ID 3383

mRNA Refseq NM_000201

Protein Refseq NP_000192

MIM 147840

UniProt ID P05362

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