

Recombinant Rat Icam1 protein(Met1-Thr493), His-tagged

Cat. No. Icam1-4086R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat ICAM1 (Q00238-1) (Met 1-Thr 493) was expressed in HEK293, fused with a polyhistidine tag at the C-terminus.
Species	Rat
Source	HEK293
ProteinLength	1-493 a.a.
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 rat ICAM1 coated plates (12.5 µg/mL, 100 µL/well), approximately > 30% cells will adhere specifically.
Molecular Mass	The recombinant rat ICAM1 comprises 477 amino acids and predicts a molecular mass of 52.7 kDa. The apparent molecular mass of the rat ICAM1 is approximately 70-75 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	> 97 % 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 [Icam1 intercellular adhesion molecule 1 \[Rattus norvegicus \]](#)

Official Symbol [Icam1](#)

Synonyms ICAM1; intercellular adhesion molecule 1; ICAM-1; CD54; ICAM;

Gene ID [25464](#)

mRNA Refseq [NM_012967](#)

Protein Refseq [NP_037099](#)

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