

Recombinant Human ICAM-1/CD54 Protein (Fc Tag)

Catalog Number: PKSH032601

Note: Centrifuge before opening to ensure complete recovery of vial contents.

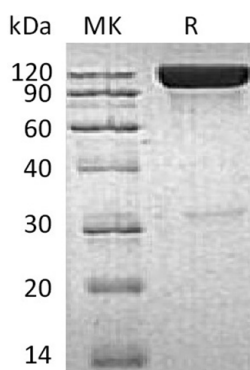
Description

Species	Human
Source	HEK293 Cells-derived Human ICAM-1;CD54 protein Asn26-Glu480, with an C-terminal Fc
Calculated MW	76.8 kDa
Observed MW	90-125 kDa
Accession	P05362
Bio-activity	Not validated for activity

Properties

Purity	> 90 % as determined by reducing SDS-PAGE.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Reconstitution	Please refer to the specific buffer information in the printed manual. Please refer to the printed manual for detailed information.

Data



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Background

Inter-Cellular Adhesion Molecule 1 (ICAM1) is a type of intercellular adhesion molecule continuously present in low concentrations in the membranes of leukocytes and endothelial cells. As an endothelial and leukocyte-associated transmembrane protein, ICAM1 is well known for its importance in stabilizing cell-cell interactions and facilitating leukocyte endothelial transmigration. The presence of heavy glycosylation and other structural characteristics lend ICAM1 binding sites for a number of immune-associated ligands. Notably, ICAM-1 binds to macrophage adhesion ligand-1 (Mac-1; ITGB2 / ITGAM), leukocyte function associated antigen-1 (LFA-1/integrin), and fibrinogen. ICAM-1 expressed by respiratory epithelial cells is also the binding site for rhinovirus, the causative agent of most common colds.