

# Human ICAM-3/CD50 Protein

Cat. No. IAM-HM103

Description	
Source	Recombinant Human ICAM-3/CD50 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Gln30-His485.
Accession	CAA49369.1
Molecular Weight	The protein has a predicted MW of 50.54 kDa. Due to glycosylation, the protein migrates to 80-110 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per $\mu\text{g}$ by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE

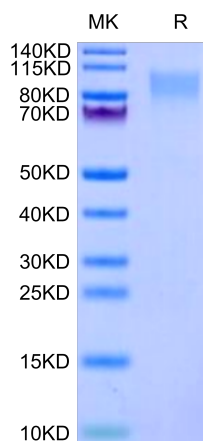
Formulation and Storage	
Formulation	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

**Background**

ICAM-3 interacts with LFA1, and is involved in the intercellular adhesion of leukocytes as well as in the maintenance of cell survival. ICAM-3 expression induces cancer cell proliferation, and an increase in ICAM-3 expression can contribute to cancer progression.

## Assay Data

### Bis-Tris PAGE



Human ICAM-3 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.