

RP00383

Leader in Biomolecular Solutions for Life Science



Recombinant Human CD102/ICAM-2 Protein

Catalog No.: RP00383

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
Human	3384	P13598

Tags
C-6×His

Synonyms
ICAM2;CD102

Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.2 μm filtered solution of 20 mM PB, 150 mM NaCl, 2 mM CaCl₂, 2 mM MgCl₂, 5% Threhalose, pH 7.2. Contact us for customized product form or formulation.

Reconstitution
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

Background

This protein is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins, contain 2-9 immunoglobulin-like C2-type domains, and bind to the leukocyte adhesion LFA-1 protein. This protein may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance. Several transcript variants encoding the same protein have been found for this gene.

Basic Information

Description
Recombinant Human CD102/ICAM-2 Protein is produced by Human Cell expression system. The target protein is expressed with sequence (Lys25-Gln223) of human CD102/ICAM-2 (Accession #P13598) fused with a 6×His tag at the C-terminus.

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 5×10^4 cells/well are added to Recombinant Human CD102/ICAM-2 coated plates (12.5 μg/mL with 100 μL/well), >70% will adhere after 1 hour incubation at 37 °C.

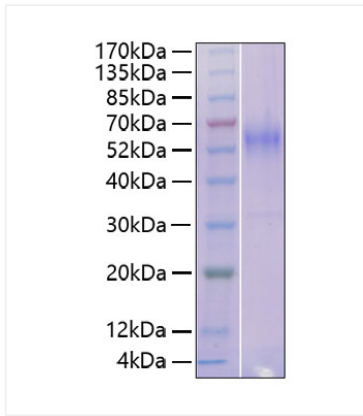
Storage
Store the lyophilized protein at -20 °C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week. Avoid repeated freeze/thaw cycles.

Contact



www.abclonal.com

Validation Data



Recombinant protein Human CD102/ICAM-2 was determined by SDS-PAGE under reducing conditions with Coomassie Blue, showing a band at 60 kDa.