Recombinant Human ICAM-3/CD50 Protein

Catalog No.: RP00979

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Sequence Information

Species
Human

Gene ID
3385

Swiss Prot
P32942

Tags
C-hFc&His

Synonyms
ICAM3,CD50,CDW50,ICAM-R, ICAM3 / CD50

Product Information

Source
HEK293 cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
76.24 kDa

Observed MW
110-130 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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 is constitutively and abundantly expressed by all leucocytes and may be the most important ligand for LFA-1 in the initiation of the immune response. It functions not only as an adhesion molecule, but also as a potent signalling molecule.

Basic Information

Description
Recombinant Human ICAM-3/CD50 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Gln30-His485) of human CD50 (Accession #NP_002153.2) fused with an Fc, 6×His tag at the C-terminus.

Activity
Measured by the ability of the immobilized protein to support the adhesion of THP-1 cells. When cells are added to ICAM-3 coated plates (12.5 μg/mL, 100 μL/well),approximately >50% cells will adhere specifically after 60 minutes at 37 ℃.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

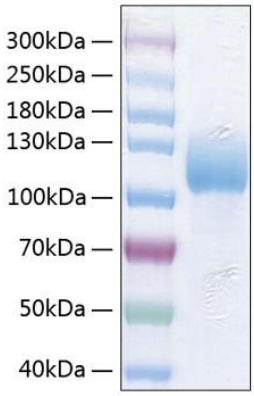
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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Validation Data



Recombinant Human ICAM-3/CD50 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.