Recombinant Human ICAM-3/CD50 Protein

www.abclonal.com

ABclonal

Catalog No.: RP00979 Recombinant

Sequence Information

Species Gene ID Swiss Prot Human 3385 P32942

Tags C-hFc&His

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

Product Information

Source Purification HEK293 cells ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

76.24 kDa 110-130 kDa

Endotoxin

< 0.1 EU/ μ g 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.

Contact

<u>a</u>	400-999-6126
\bowtie	cn.market@abclonal.com.cn
•	www.abclonal.com.cn

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.

Bio-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 μ g/mL, 100 μ L/well),approximately >50% cells will adhere specifically after 60 minutes at 37 °C.

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

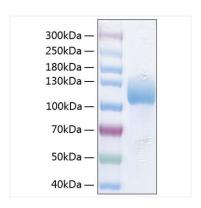
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Operational Notes

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

Validation Data



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