

For Research Use Only

Recombinant Human ICAM-3/CD50 protein (rFc Tag)



Catalog Number: Eg1681

Basic Information

Species:
Human

Purity:
>90 %, SDS-PAGE

Tag:
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/μg protein, LAL method

Source:

HEK293-derived Human ICAM-3 protein Gln30-His485 (Accession# P32942) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

3385

Accession:

P32942

Predicted Molecular Mass:

75.7 kDa

SDS-PAGE:

90-130 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 μm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

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

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

ICAM3, also known as CD50 or CDW50, is a protein-coding gene in humans. It encodes a member of the intercellular adhesion molecule (ICAM) family, which are type I transmembrane glycoproteins containing immunoglobulin-like C2-type domains. ICAM proteins are ligands for the leukocyte adhesion protein LFA-1 (integrin alpha-L/beta-2). ICAM3 is also a ligand for integrin alpha-D/beta-2. In association with integrin alpha-L/beta-2, contributes to apoptotic neutrophil phagocytosis by macrophages. ICAM3 is expressed with biased expression in bone marrow, spleen, and 12 other tissues. It is found in epithelium, endothelium, leukocytes, fibroblasts, erythrocytes, platelets, and neurons.

References

1. Fawcett J. et al. (1992). Nature. 360(6403):481-484.
2. Kristóf E. et al. (2013). Apoptosis. 18(10):1235-1251.
3. Shen W. et al. (2018). Cancer Lett. 422:29-43.

Synonyms

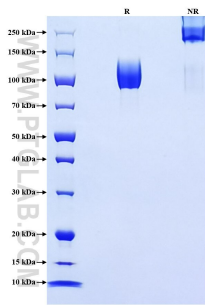
CDW50, ICAM3, CD50, ICAM 3, ICAM R

For technical support and original validation data for this product please contact

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Selected Validation Data



Purity of Recombinant Human ICAM-3 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and non-reducing (NR) conditions and stained using Coomassie blue.