

# Active Recombinant Human ICAM3 protein, His-tagged

**Cat. No.** ICAM3-3164H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human ICAM3 protein(CAA49369.1)(Met1-His485), fused with His tag, was expressed in HEK293.                                                                                                                                                                                 |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | Met1-His485                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.5Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.      |
| <b>Bio-activity</b>     | Measured by the ability of the immobilized protein to support the adhesion of PMA-stimulated HSB2 human peripheral blood acute lymphoblastic leukemia cells.When cells are added to ICAM3-coated plates (12.5 µg/mL , 100 µL/well), approximately >25% cells will adhere specifically. |
| <b>Molecular Mass</b>   | The recombinant human ICAM3 consists of 467 amino acids after removal of the signal peptide and predicts a molecular mass of 50.8 kDa. By SDS-PAGE, the apparent molecular mass of rh ICAM3 is approximately 100-120 kDa due to the glycosylation.                                     |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method                                                                                                                                                                                                                         |

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|                       |                                                                                                                                                                                                                                                 |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 92 % as determined by SDS-PAGE                                                                                                                                                                                                                |
| <b>Storage</b>        | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                   |

## GENE INFORMATION

|                        |                                                                                                                   |
|------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | ICAM3 intercellular adhesion molecule 3 [ Homo sapiens ]                                                          |
| <b>Official Symbol</b> | ICAM3                                                                                                             |
| <b>Synonyms</b>        | ICAM3; intercellular adhesion molecule 3; CD50; CDW50; ICAM R; ICAM-3; intercellular adhesion molecule-3; ICAM-R; |
| <b>Gene ID</b>         | 3385                                                                                                              |
| <b>mRNA Refseq</b>     | NM_002162                                                                                                         |
| <b>Protein Refseq</b>  | NP_002153                                                                                                         |
| <b>MIM</b>             | 146631                                                                                                            |
| <b>UniProt ID</b>      | P32942                                                                                                            |

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