

# Recombinant Human ICAM3, His-tagged

**Cat. No.** ICAM3-14032H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Product Overview</b> | Recombinant Human ICAM3 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | 200-547a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | The protein encoded by this gene 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. |
| <b>Storage</b>          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Buffer</b>   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.                                                                                                                                                                                                                                                                                                                                                        |

## GENE INFORMATION

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| <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                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 19p13.3-p13.2                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Pathway</b>             | Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; IL-5 Signaling Pathway, organism-specific biosystem; Immune System, organism-specific biosystem; Immunoregulatory interactions between a Lymphoid and a non-Lymphoid cell, organism-specific biosystem; Integrin cell surface interactions, organism-specific biosystem; |
| <b>Function</b>            | integrin binding; protein binding; receptor binding;                                                                                                                                                                                                                                                                                                                                                                                            |