

## Recombinant Human Intercellular Adhesion Molecule 2

**Cat. No.** ICAM2-1626H    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>           | Mammalian Cells                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Description</b>      | <p>Intercellular adhesion molecule 2 (ICAM2), also known as CD102 (Cluster of Differentiation 102), is a member of the intercellular adhesion molecule (ICAM) family. All ICAM proteins are type I transmembrane glycoproteins that bind to the leukocyte adhesion LFA-1 protein. This protein may play a role in lymphocyte recirculation by blocking LFA-1-dependent cell adhesion. It mediates adhesive interactions important for antigen-specific immune response, NK-cell mediated clearance, lymphocyte recirculation, and other cellular interactions important for immune response and surveillance.</p> |
| <b>State Of Matter</b>  | Lyophilized.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Purity</b>           | >95% by SDS Page and analyzed by silver stain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Endotoxin</b>        | <1.0 EU/g as determined by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Weight</b> | <p>The predicted molecular weight of Recombinant Human ICAM-2 is Mr 50 kDa. However, the actual molecular weight as observed by migration on SDS Page is Mr 86 kDa.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                           |

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**Storage And Stability**

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer. Avoid Repeated Freeze Thaw Cycles.

**GENE INFORMATION**

|                            |                                                                                                                                           |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | ICAM2 intercellular adhesion molecule 2 [ Homo sapiens ]                                                                                  |
| <b>Synonyms</b>            | intercellular adhesion molecule 2; CD102; ICAM2; ICAM-2; CD102 antigen                                                                    |
| <b>Gene ID</b>             | 3384                                                                                                                                      |
| <b>mRNA Refseq</b>         | NM_000873                                                                                                                                 |
| <b>Protein Refseq</b>      | NP_000864                                                                                                                                 |
| <b>MIM</b>                 | 146630                                                                                                                                    |
| <b>UniProt ID</b>          | P13598                                                                                                                                    |
| <b>Chromosome Location</b> | 17q23-q25                                                                                                                                 |
| <b>Pathway</b>             | Cell adhesion molecules (CAMs); Natural killer cell mediated cytotoxicity; Integrin cell surface interactions; Signaling in Immune system |
| <b>Function</b>            | integrin binding; protein binding                                                                                                         |

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