**Human ICAM-2/CD102 Antibody**

**Monoclonal Mouse IgG\(_1\) Clone # 86911**

**Catalog Number:** MAB244

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### DESCRIPTION

**Species Reactivity**
Human

**Specificity**
Detects human ICAM-2/CD102 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human (rh) CEACAM-1, recombinant mouse (rm) DCC, rhICAM-1, mICAM-2, rhICAM-3, mICAM-5, mMAdCAM-1, rhCD31, or rmVCAM-1 is observed.

**Source**
Monoclonal Mouse IgG\(_1\) Clone # 86911

**Purification**
Protein A or G purified from ascites

**Immunogen**
S. frugiperda insect ovarian cell line Sf 21-derived recombinant human ICAM-2/CD102 Lys25-Gln223 (predicted)

**Accession #**
CAA33630

**Formulation**
Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

*Small pack size (-SP) is supplied as a 0.2 μm filtered solution in PBS.

### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

#### Recommended Concentration

**Sample**

| Western Blot | 1 μg/mL | Recombinant Human ICAM-2/CD102 Fc Chimera (Catalog # 803-I2) |

### PREPARATION AND STORAGE

**Reconstitution**
Reconstitute at 0.5 mg/mL in sterile PBS.

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

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

**Stability & Storage**
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

### BACKGROUND

**Intercellular Adhesion Molecule-2 (ICAM-2, CD102),** a member of the immunoglobulin superfamily, binds the leukocyte integrins LFA-1 (CD11a/CD18) and Mac-1 (CD11b/CD18). ICAM-2 is constitutively expressed at high levels on vascular endothelial cells and lymphohematopoietic cells. ICAM-2 mediated adhesion has been shown to provide a co-stimulatory signal for T cell aggregation, NK cytotoxicity and NK cell migration.

**References:**