### DESCRIPTION

**Species Reactivity**
Human

**Specificity**
Detects human ICAM-2/CD102 in direct ELISAs and Western blots. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) ICAM-1 and rhICAM-3 is observed.

**Source**
Polyclonal Goat IgG

**Purification**
Antigen Affinity-purified

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

**Accession #**
CAA33630

**Endotoxin Level**
<0.10 EU per 1 μg of the antibody by the LAL method.

**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 either lyophilized or 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.

<table>
<thead>
<tr>
<th>Recommended Concentration</th>
<th>Sample</th>
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<tbody>
<tr>
<td>0.1 μg/mL</td>
<td>Recombinant Human ICAM-2/CD102 Fc Chimera (Catalog # 803-I2)</td>
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<tr>
<td>2.5 μg/10⁶ cells</td>
<td>Human peripheral blood monocytes</td>
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**CyTOF-ready**
Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.

**Adhesion Blockade**
The adhesion of HSB2 human peripheral blood acute lymphoblastic leukemia cells (5 x 10⁴ cells/well) to immobilized Recombinant Human ICAM-2 Fc Chimera (Catalog # 803-I2, 12.5 μg/mL, 100 μL/well) was maximally inhibited (80-100%) by 25 μg/mL of the antibody.

### PREPARATION AND STORAGE

**Reconstitution**
Reconstitute at 0.2 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:**