Human ICAM-1/CD54 Antibody
Monoclonal Mouse IgG1, Clone # BBIG-I1 (11C81)
Catalog Number: BBA3

**DESCRIPTION**

**Species Reactivity** Human

**Specificity** This antibody was selected for its ability to stain human ICAM-1/CD54 transfected COS cells. It does not stain COS cells transfected with human E-Selectin, VCAM-1, or PECAM-1.

**Source** Monoclonal Mouse IgG1, Clone # BBIG-I1 (11C81)

**Purification** Protein A or G purified from hybridoma culture supernatant

**Immunogen** Activated HUVEC human umbilical vein endothelial cells

**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.

**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>Sample</th>
<th>Recommended Concentration</th>
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<tbody>
<tr>
<td>Western Blot</td>
<td>1 μg/mL</td>
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<tr>
<td>Immunocytochemistry</td>
<td>8-25 μg/mL</td>
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</tbody>
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**Immunocytochemistry**

ICAM-1/CD54 in HUVEC Cells. ICAM-1/CD54 was detected in immersion fixed human umbilical vein endothelial cells (HUVECs) using Mouse Anti-Human ICAM-1/CD54 Monoclonal Antibody (Catalog # BBA3) at 10 μg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (yellow; Catalog # NL007) and counterstained with DAPI (blue). View our protocol for Fluorescent ICC Staining of Non-adherent Cells.

**PREPARATION AND STORAGE**

**Reconstitution** Sterile PBS to a final concentration of 0.5 mg/mL.

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

**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**

ICAM-1 is a member of the immunoglobulin superfamily whose expression is upregulated on leukocytes, epithelial cells and resting endothelial cells in response to inflammatory signals. ICAM-1 binds the leukocyte integrins LFA-1 and Mac-1.