**Human E-Selectin/CD62E Antibody**
Monoclonal Mouse IgG1, Clone # BBIG-E4
Catalog Number: BBA16

**DESCRIPTION**
Species Reactivity: Human

**Specificity**
Detects E-Selectin/CD62E in ELISAs and Western blots. In immunofluorescence experiments, does not stain COS cells transfected with cDNA for human ICAM-1, PECAM-1, L-Selectin, P-Selectin, or VCAM-1.

**Source**
Monoclonal Mouse IgG1, Clone # BBIG-E4

**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 mg/mL 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>APPLICATION</th>
<th>Recommended Concentration</th>
<th>Sample</th>
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<tbody>
<tr>
<td>Western Blot</td>
<td>1 µg/mL</td>
<td>Recombinant Human E-Selectin/CD62E Fc Chimera (Catalog # 724-ES) under non-reducing conditions only</td>
</tr>
<tr>
<td>Immunocytochemistry</td>
<td>8-25 µg/mL</td>
<td>See Below</td>
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**Human E-Selectin/CD62E Sandwich Immunoassay**

**ELISA Capture**
2-10 µg/mL Human E-Selectin/CD62E Antibody (Catalog # BBA16)

**ELISA Detection**
0.5-2.0 µg/mL Human E-Selectin/CD62E Biotinylated Antibody (Catalog # BBA8)

**Standard**
Recombinant Human E-Selectin/CD62E (Catalog # ADP1)

**Immunoprecipitation**


**DATA**

**Immunocytochemistry**

E-Selectin/CD62E in HUVEC Human Cells.
E-Selectin/CD62E was detected in immersion fixed HUVEC human umbilical vein endothelial cells activated with TNF-α (Catalog # 210-TA-050) using Mouse Anti-Human E-Selectin/CD62E Monoclonal Antibody (Catalog # BBA16) at 10 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

**Immunohistochemistry**

E-Selectin/CD62E in Human Brain.
E-Selectin/CD62E was detected in immersion fixed paraffin-embedded sections of human brain (occipital cortex) using 10 µg/mL Mouse Anti-Human E-Selectin/CD62E Monoclonal Antibody (Catalog # BBA16) overnight at 4 °C. Before incubation with the primary antibody tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained with the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS002) and counterstained with hematoxylin (blue). View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

**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**
E-Selectin, also known as Endothelial Leukocyte Adhesion Molecule 1 (ELAM-1), and Leukocyte-Endothelial Cell Adhesion Molecule 2 (LECAM-2), has been designated CD62E. It is a cell-surface glycoprotein expressed by activated endothelium and it mediates the adhesion of blood neutrophils.

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