

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	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.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # BBIG-E4
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Activated HUVEC human umbilical vein endothelial cells
<b>Endotoxin Level</b>	<0.10 EU per 1 µg of the antibody by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details.

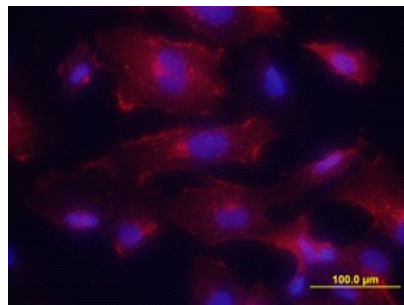
## APPLICATIONS

**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.

	Recommended Concentration	Sample
<b>Western Blot</b>	1 µg/mL	Recombinant Human E-Selectin/CD62E Fc Chimera (Catalog # 724-ES) under non-reducing conditions only
<b>Immunocytochemistry</b>	8-25 µg/mL	See Below
<b>Immunohistochemistry</b>	8-25 µg/mL	See Below
<b>Human E-Selectin/CD62E Sandwich Immunoassay</b>		<b>Reagent</b>
<b>ELISA Capture</b>	2-10 µg/mL	Human E-Selectin/CD62E Antibody (Catalog # BBA16)
<b>ELISA Detection</b>	0.5-2.0 µg/mL	Human E-Selectin/CD62E Biotinylated Antibody (Catalog # BBA8)
<b>Standard</b>		Recombinant Human E-Selectin/CD62E (Catalog # ADP1)
<b>Immunoprecipitation</b>	Pigott, R. <i>et al.</i> (1991) <i>J. Immunol.</i> <b>147</b> :130.	

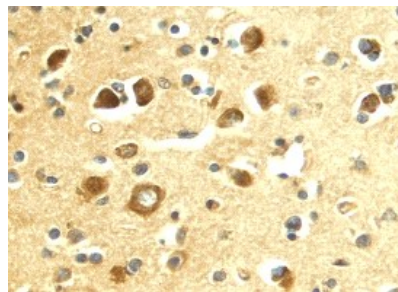
## DATA

### 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-010) 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

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.5 mg/mL.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<p><b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b></p> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## 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.