

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	This antibody binds to CHO cells transfected with human E-Selectin. It does not bind to COS cells transfected with human PECAM-1, P-Selectin, L-Selectin, VCAM-1, or ICAM-1.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # BBIG-E1
<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.

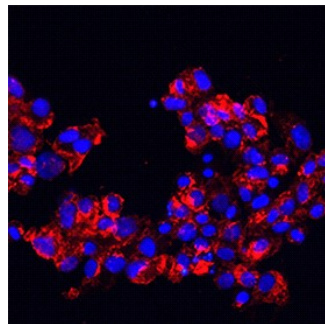
## APPLICATIONS

**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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25 µg/10 <sup>6</sup> cells	HUVEC human umbilical vein endothelial cells treated with Recombinant Human TNF-α (Catalog # 210-TA)
<b>Immunocytochemistry</b>	8-25 µg/mL	See Below
<b>CyTOF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	
<b>Adhesion Blockade</b>	The adhesion of U937 human histiocytic lymphoma cells (5 x 10 <sup>4</sup> cells/well) to immobilized Recombinant Human E-Selectin (Catalog # ADP1, 2 µg/mL, 100 µL/well) was maximally inhibited (80-100%) by 25 µg/mL of the antibody.	
<b>Immunofluorescence</b>	Pigott, R. <i>et al.</i> (1991) J. Immunol. <b>147</b> :130.	
<b>Immunoprecipitation</b>	Pigott, R. <i>et al.</i> (1991) J. Immunol. <b>147</b> :130.	

## DATA

### Immunocytochemistry



**E-Selectin/CD62E in HUVECs.** E-Selectin/CD62E was detected in immersion fixed HUVEC human umbilical vein endothelial cells stimulated with Recombinant Human TNF-alpha (Catalog # 210-TA) using Mouse Anti-Human E-Selectin/CD62E Monoclonal Antibody (Catalog # BBA26) at 5 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). Specific staining was localized to cytoplasm. View our protocol for [Fluorescent ICC Staining of Cells on Coverslips](#).

## 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 ELAM-1, is a transmembrane glycoprotein that is transiently expressed on activated vascular endothelial cells. E-Selectin binds to sialylated, fucosylated molecules on neutrophils, monocytes, and a subset of memory T cells.