**SOURCE**

E-Selectin (ENA2) is a mouse monoclonal antibody raised against E-Selectin of human origin.

**PRODUCT**

Each vial contains 100 µg IgG1 in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

E-Selectin (ENA2) is recommended for detection of E-Selectin of human origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500); may cross-react with human endothelial cells activated with TNFα, IL-1 or Endotoxin and with cells transfected with the E-Selectin gene. Suitable for use as control antibody for E-Selectin siRNA (h): sc-29296.

Molecular Weight of E-Selectin: 115 kDa.

**RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Immunofluorescence: use goat anti-mouse IgG-FITC: sc-2010 (dilution range: 1:100-1:400) or goat anti-mouse IgG-TR: sc-2781 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

**PROTOCOLS**

See our web site at www.scbt.com or our catalog for detailed protocols and support products.

**BACKGROUND**

Selectins, also designated CD62 antigens, comprise a family of carbohydrate-binding proteins involved in mediating cellular interactions with leukocytes. L-Selectin (also designated LECAM-1 or CD62L) is expressed on the majority of B and naive T cells and on most monocytes, neutrophils and eosinophils. L-Selectin interacts with specific carbohydrates expressed by activated endothelial cells. P-Selectin (also designated GMP-140 or CD62P), expressed on activated platelets and endothelial cells, and E-Selectin (also designated ELMA-1 or CD62E), expressed on endothelial cells, exhibit overlapping ligand specificities. E-Selectin is expressed by cytokine-stimulated endothelial cells and is thought to be responsible for the accumulation of blood leukocytes at sites of inflammation by mediating the adhesion of cells to the vascular lining.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: SELE (human) mapping to 1q22-q25.

**STORAGE**

Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.