

CD62E (E-selectin) Monoclonal Antibody (CL2), eBioscience™

Product Details

Size	100 µg
Species Reactivity	Human
Host/Isotype	Mouse / IgG2a
Class	Monoclonal
Type	Antibody
Clone	CL2
Conjugate	Unconjugated
Immunogen	Rec. Human CD62E (E-selectin)
Form	Liquid
Concentration	1 mg/mL
Purification	Affinity chromatography
Storage buffer	TBS, pH 7.2-7.4
Contains	no preservative
Storage conditions	4° C
RRID	AB_10597748

Applications	Tested Dilution	Publications
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-
Flow Cytometry (Flow)	Assay-Dependent	-
ELISA (ELISA)	Assay-Dependent	-
Functional Assay (FN)	Assay-Dependent	-

Product Specific Information

Description: E-Selectin (CL-2) is a mouse monoclonal antibody raised against E-Selectin of human origin.

CL2, but not CL37, blocks binding of leukocytes to E-selectin.

. Endothelial Leukocyte Adhesion Molecule-1 belongs to the selectin family of adhesion molecules. Together with L-selectin and P-selectin, E-selectin mediates the initial interactions of leukocytes and platelets with endothelial cells.

Molecular structure: The extracellular part of all selectins consists of an aminoterminal c-type lectin domain which specifically binds to carbohydrate ligands. This is followed by an EGF-like domain, and, in the case of E-selectin, by 6 short consensus repeats. The transmembrane portion of the molecule is followed by a short cytoplasmic tail.

Selectins guide non-activated polymorphonuclear cells to the areas of inflammation in creating first, loose contacts with the endothelial layer. Together with P-selectin, E-selectin is expressed on cytokine-activated endothelial cells, and contributes to the adhesion of still resting leukocytes to the endothelium. This initial binding event is an essential prerequisite for the activation of the immune cells via different inflammatory mediators. In contrast to P-selectin, E-selectin is maximally expressed 2-4 hours after cell activation. Within the next 24-48 hours E-selectin is again eliminated from the cytoplasmic membrane by shedding into the circulation.

Applications Tested: ELISA, Flow Cytometry, Functional Studies (Blocking), Immunohistochemistry (Frozen).

Purity: >95%.

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