

Product datasheet for **AM26161PU-N**

CD62E (SELE) Mouse Monoclonal Antibody [Clone ID: ENA1]

Product data:

Product Type: Primary Antibodies
Clone Name: ENA1
Applications: ELISA, FN, IHC, IP
Recommended Dilution: **Immunoprecipitation.**
Immunoassay.
Functional Assay.
Immunohistochemistry on Frozen Sections.

For immunohistology dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:10.

In vitro cultured cells can be fixed with 1% paraformaldehyde and kept in PBS plus azide before staining. Tissue sections are advised to be fixed for 10 min in pure acetone and followed by incubation for 10 min in chloroform. Incubation with a pretested dilution of the antibody is advised to be followed by a biotin conjugated anti-murine Ig and a further incubation with an enzyme (alkaline phosphatase) conjugated streptavidin. For selection of the most useful dilution in a given situation a test staining with cells or tissue known to express the antigen should be performed. To this end either cultured endothelial cells or a small fresh skin biopsy can be incubated for 4 hours with TNF-alpha (1 ng/ml), IL-1 (100 U/ml) or LPS (1 µg/ml) in tissue culture medium at 37 °C.

As Negative Control it is advised to use a control Murine IgG antibody.

Reactivity: Human, Monkey

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

Specificity: This antibody reacts with E-selectin CD62-E, previous designated the Endothelial Leucocyte Adhesion Molecule-1 (ELAM-1). It reacts with Human endothelial cells activated with TNF-alpha, IL-1 or Endotoxin. The antibody was found to react also with cells transfected with the E-Selectin gene. It inhibits the adhesion of Granulocytes both Neutrophilic and Eosinophilic.



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Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered purified Ig fraction Stabilizer: 0.1% BSA Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	selectin E
Database Link:	Entrez Gene 6401 Human P16581
Background:	CD62E is also known as endothelial leukocyte adhesion molecule 1 (ELAM1) or E selectin. It is a type I membrane protein that belongs to the selectin family of surface molecules (along with CD62L and CD62P). Selectins are C type cell surface lectins that play a role in leukocyte adhesion to the blood vessel wall endothelium. CD62E (E selectin) is an endothelial cell specific selectin that is expressed on cytokine induced endothelial cells only after activation with proinflammatory cytokines. In vitro experiments have shown that IL1, TNFalpha and bacterial wall components like lipopolysaccharides induce the transcription of CD62E in an NFkB dependent signalling cascade. CD62E has been associated with blood vessel endothelium in diverse inflammatory situations. The main ligands recognised by CD62E are oligosaccharides related to sialyl lewis x.
Synonyms:	SELE, ELAM1, LECAM2