

Product datasheet for **AM32175PU-N**

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

Product data:

Product Type: Primary Antibodies

Clone Name: ENA1

Applications: IHC

Recommended Dilution: **Immunohistochemistry on frozen sections.**

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-mouse 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 mouse IgG1 antibody.

Immunoprecipitation.

Immunoassay.

For adhesion inhibition studies we advise to use the F(ab')₂ ENA2 monoclonal antibody preparation (Cat. nr. AM32174PU-N), which is most efficient for this purpose and prevents adhesion of leucocytes via Fc receptors.

Reactivity: Human

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

Specificity: ENA1 reacts with E-selectin CD62-E, previous designated the Endothelial Leucocyte Adhesion Molecule-1 (ELAM-1). The antibody 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. The antibody inhibits the adhesion of granulocytes both neutrophilic and eosinophilic.



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Formulation:	PBS State: Liquid State: Liquid purified Ig fraction Stabilizer: 0,1% BSA Preservative: 0.02% sodium azide
Concentration:	lot specific
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
Synonyms:	SELE, ELAM1, LECAM2