

Product datasheet for **AM32174PU-N**

CD62E (SELE) F(ab')₂ Mouse Monoclonal Antibody [Clone ID: ENA2]

Product data:

Product Type: Primary Antibodies

Clone Name: ENA2

Applications: ELISA, FN, 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.

Immunoassay.

Functional Assay.

For use in adhesion studies dilutions have to be made according to the amounts of E-Selectin to be inhibited. Before use in biological assays, the product must be filter sterilized and depending on the concentration to be used dialyzed against culture medium to remove the sodium azide added.

Please inquire for availability of azide free solutions.

Reactivity: Baboon, Chimpanzee, Human, Monkey

Host: Mouse

Isotype: IgG1

Clonality: Monoclonal

Specificity: ENA2 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 F(ab') ₂ (0.2 µm filtered) 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 |