

## Mouse Endothelial-leukocyte adhesion molecule 1 ELISA Kit | ELAM-1 elisa kit

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CATALOG #  
**AAA95769**

REACTIVITY  
**Mouse**

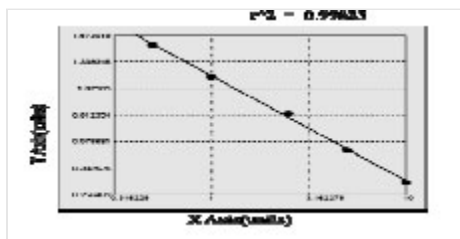
### PRODUCT SYNONYMS

Endothelial-leukocyte adhesion molecule 1; Mouse Endothelial-leukocyte adhesion molecule 1 ELISA Kit; Mouse ELAM-1 ELISA Kit; ELAM-1 ELISA Kit; ELAM-1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                      |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C                                         |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for ELAM-1 elisa kit

**Intended Uses**||This ELAM1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ELAM1. This ELISA kit for research use only!

**Principle of the Assay:** ELAM1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ELAM1 antibody and an ELAM1-HRP conjugate. The assay sample and buffer are incubated together with ELAM1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ELAM1 concentration since ELAM1 from samples and ELAM1-HRP conjugate compete for the anti-ELAM1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ELAM1 from the sample, fewer sites are left to bind ELAM1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ELAM1 concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for ELAM-1 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 187960042                                                                                                                                                                                                                         |
| NCBI GeneID                      | 6401                                                                                                                                                                                                                              |
| NCBI Accession #                 | NP_000441.2                                                                                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_000450.2                                                                                                                                                                                                                       |
| UniProt Accession #              | P16581; P16111; A2RRD6                                                                                                                                                                                                            |
| Molecular Weight                 | 66,655 Da                                                                                                                                                                                                                         |
| NCBI Official Full Name          | E-selectin                                                                                                                                                                                                                        |
| NCBI Official Synonym Full Names | selectin E                                                                                                                                                                                                                        |
| NCBI Official Symbol             | SELE                                                                                                                                                                                                                              |
| NCBI Official Synonym Symbols    | ELAM; ESEL; CD62E; ELAM1; LECAM2                                                                                                                                                                                                  |
| NCBI Protein Information         | E-selectin; ELAM-1; endothelial adhesion molecule 1; CD62 antigen-like family member E; endothelial leukocyte adhesion molecule 1; leukocyte endothelial cell adhesion molecule 2; leukocyte-endothelial cell adhesion molecule 2 |
| UniProt Protein Name             | E-selectin                                                                                                                                                                                                                        |
| UniProt Gene Name                | SELE                                                                                                                                                                                                                              |
| UniProt Synonym Gene Names       | ELAM1; ELAM-1; LECAM2                                                                                                                                                                                                             |
| UniProt Entry Name               | LYAM2_HUMAN                                                                                                                                                                                                                       |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/elam-1-mouse-elisa-kits/endothelial-leukocyte-adhesion-molecule-1/95769>