

## Rabbit Anti-E-Selectin/PE Conjugated antibody

SL1273R-PE

|                              |   |
|------------------------------|---|
| <b>Product Name</b>          | Anti-E-Selectin/PE  |
| <b>Chinese Name</b>          | PE 标记的 E 选择素抗体  |
| <b>Alias</b>                 | CD 62E; CD26E; CD62 antigen-like family member E; CD62E; CD62E antigen; E selectin; E-selectin; ELAM 1; ELAM; ELAM-1; ELAM1; Endothelial adhesion molecule 1; Endothelial leukocyte adhesion molecule 1; ESEL; LECAM 2; LECAM2; Leukocyte endothelial cell adhesion molecule 2; Leukocyte-endothelial cell adhesion molecule 2; LYAM2_HUMAN; SELE; Selectin E; SelectinE. |
| <b>Research Area</b>         | Cell biology immunology Cell adhesion molecule Cell Surface Molecule Cell type markers  |
| <b>Immunogen Species</b>     | Rabbit  |
| <b>Clonality</b>             | Polyclonal  |
| <b>React Species</b>         | Human   |
| <b>Applications</b>          | IF=1:50-200<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.  |
| <b>Molecular weight</b>      | 65kDa   |
| <b>Cellular localization</b> | The cell membrane   |
| <b>Form</b>                  | Lyophilized or Liquid   |
| <b>Concentration</b>         | 1mg/ml  |
| <b>immunogen</b>             | KLH conjugated synthetic peptide derived from mouse E-Selectin  |
| <b>Lsotype</b>               | IgG   |
| <b>Purification</b>          | affinity purified by Protein A  |
| <b>Storage Buffer</b>        | 1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol.  |
| <b>Storage</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks   |

at 2-4 °C.

**background:**

The endothelial leukocyte adhesion molecule-1 is expressed by cytokine-stimulated endothelial cells. It is thought to be responsible for the accumulation of blood leukocytes at sites of inflammation by mediating the adhesion of cells to the vascular lining. It exhibits structural features such as the presence of lectin- and EGF-like domains followed by short consensus repeat (SCR) domains that contain 6 conserved cysteine residues. These proteins are part of the selectin family of cell adhesion molecules. This gene is present in single copy in the human genome and contains 14 exons spanning about 13 kb of DNA. Adhesion molecules participate in the interaction between leukocytes and the endothelium and appear to be involved in the pathogenesis of atherosclerosis.

**Function:**

Cell-surface glycoprotein having a role in immunoadhesion. Mediates in the adhesion of blood neutrophils in cytokine-activated endothelium through interaction with PSGL1/SELPLG. May have a role in capillary morphogenesis.

**Subunit:**

Interacts with PSGL1/SELPLG through the sialyl Lewis X epitope. PSGL1 sulfation appears not to be required for this interaction.

**Product Detail**

**Subcellular Location:**

Membrane; Single-pass type I membrane protein.

**Similarity:**

Belongs to the selectin/LECAM family.  
Contains 1 C-type lectin domain.  
Contains 1 EGF-like domain.  
Contains 6 Sushi (CCP/SCR) domains.

**Database links:**

[Entrez Gene: 6401](#) Human

[Entrez Gene: 20339](#) Mouse

[Entrez Gene: 25544](#) Rat

[Omim: 131210](#) Human

[SwissProt: P16581](#) Human

[SwissProt: Q00690](#) Mouse



[SwissProt: P98105](#) Rat

[Unigene: 82848](#) Human

[Unigene: 5245](#) Mouse

[Unigene: 10359](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

E 选择素(CD62E)是活化的 endothelial cells 表面表达的黏附分子,是白细胞与 endothelial cells 形成接触时的启动因子。E 选择素是表达在 vascular endothelial cell 表面的黏附分子。