

## Active Recombinant Rat SELE protein, hFc-tagged

Cat. No. SELE-1977R    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat SELE protein(NP_620234.1)(Met1-Pro494), fused with hFc tag, was expressed in HEK293.                                                                                                                                                                                    |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                  |
| <b>ProteinLength</b>    | Met1-Pro494                                                                                                                                                                                                                                                                             |
| <b>Form</b>             | Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.     |
| <b>Bio-activity</b>     | Measured by the ability of the immobilized protein to support the adhesion of U937 cells. When $5 \times 10^4$ cells/well are added to SELE-coated plates (2 $\mu\text{g/mL}$ and 100 $\mu\text{L/well}$ ), approximately >85% cells will adhere specifically after 60 minutes at 37°C. |
| <b>Molecular Mass</b>   | The recombinant rat SELE/Fc is a disulfide-linked homodimer. The reduced monomer comprises 714 amino acids and has a predicted molecular mass of 78.8 kDa. The apparent molecular mass of the protein is approximately 114-119 kDa in SDS-PAGE under reducing conditions.               |
| <b>Endotoxin</b>        | < 1.0 EU per $\mu\text{g}$ of the protein as determined by the LAL method                                                                                                                                                                                                               |

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|                       |                                                                                                                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Purity</b>         | > 95 % as determined by SDS-PAGE                                                                                                                                                                                                                  |
| <b>Storage</b>        | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C<br>Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |
| <b>Reconstitution</b> | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                                                                     |

## GENE INFORMATION

|                        |                                                                                                                                                                                                         |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Sele selectin E [ Rattus norvegicus ]</a>                                                                                                                                                   |
| <b>Official Symbol</b> | <a href="#">SELE</a>                                                                                                                                                                                    |
| <b>Synonyms</b>        | SELE; selectin E; E-selectin; ELAM-1; LECAM2; selectin, endothelial cell; CD62 antigen-like family member E; endothelial leukocyte adhesion molecule 1; leukocyte-endothelial cell adhesion molecule 2; |
| <b>Gene ID</b>         | <a href="#">25544</a>                                                                                                                                                                                   |
| <b>mRNA Refseq</b>     | <a href="#">NM_138879</a>                                                                                                                                                                               |
| <b>Protein Refseq</b>  | <a href="#">NP_620234</a>                                                                                                                                                                               |

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