

Rat SELE Antibody Pair Set

| | | | |
|--------------------|----------------------------------|---------------------|-------|
| Catalog No. | E-KAB-0371 | Applications | ELISA |
| Synonyms | CD62E, ELAM, ELAM1, ESEL, LECAM2 | | |

Kit components & Storage

| Title | Specifications | Storage |
|--------------------------------------|----------------|---|
| Rat SELE Capture Antibody | 1 vial, 100 µg | Store at -20°C for one year. Avoid freeze / thaw cycles. |
| Rat SELE Detection Antibody (Biotin) | 1 vial, 50 µL | Store at -20°C for one year. Avoid freeze / thaw cycles. |

Note: Centrifuge before opening to ensure complete recovery of vial contents.

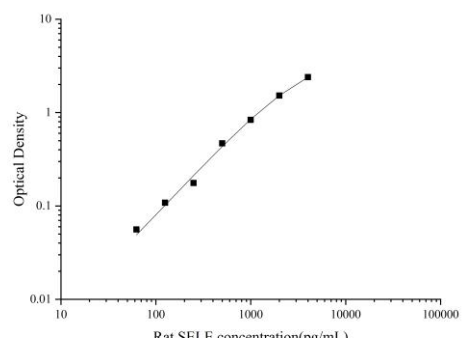
Product Information

| Items | | Characteristic (E-KAB-0371) | |
|-----------------------|---------------|--|---|
| | | Rat SELE Capture Antibody | Rat SELE Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Rat SELE protein | Recombinant Rat SELE protein |
| | Swissprot | P98105 | |
| Product details | Reactivity | Rat | Rat |
| | Host | Rabbit | Rabbit |
| | Conjugation | Unconjugated | Biotin |
| | Concentration | 0.5mg/mL | / |
| | Buffer | PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4 | PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4 |
| | Purify | Protein A & Antigen Affinity | Protein A & Antigen Affinity |
| | Specificity | Detects Rat SELE in ELISAs. | |

For Research Use Only

Applications

Rat SELE Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images | | | | | | | | | | | | | | |
|--------------------------------|------------------------------------|--------------------------------------|---|--------------------------------|-----------------|-----|------|-----|-----|-----|-----|------|-----|------|-----|------|-----|
| ELISA Capture | 0.5-4μg/mL | Rat SELE Capture Antibody |  <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Rat SELE concentration (pg/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>100</td><td>0.05</td></tr><tr><td>200</td><td>0.1</td></tr><tr><td>500</td><td>0.3</td></tr><tr><td>1000</td><td>0.6</td></tr><tr><td>2000</td><td>1.2</td></tr><tr><td>5000</td><td>2.5</td></tr></tbody></table> | Rat SELE concentration (pg/mL) | Optical Density | 100 | 0.05 | 200 | 0.1 | 500 | 0.3 | 1000 | 0.6 | 2000 | 1.2 | 5000 | 2.5 |
| Rat SELE concentration (pg/mL) | Optical Density | | | | | | | | | | | | | | | | |
| 100 | 0.05 | | | | | | | | | | | | | | | | |
| 200 | 0.1 | | | | | | | | | | | | | | | | |
| 500 | 0.3 | | | | | | | | | | | | | | | | |
| 1000 | 0.6 | | | | | | | | | | | | | | | | |
| 2000 | 1.2 | | | | | | | | | | | | | | | | |
| 5000 | 2.5 | | | | | | | | | | | | | | | | |
| ELISA Detection | 1:1000-1:10000 | Rat SELE Detection Antibody (Biotin) | | | | | | | | | | | | | | | |

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

Background

E-selectin, also known as ELAM-1 or CD62E, is a member of the selectin family of adhesion molecules that also include L-selectin and P-selectin. E-selectin is an inducible endothelial cell surface molecule. Its expression on endothelial cells is transcriptionally upregulated by various proinflammatory substances such as IL-1, TNFα and lipopolysaccharide (LPS). Besides, it can be secreted by endothelial cells, and can be detected in a soluble form (sE-selectin) in serum. During inflammation, E-selectin plays an important part in recruiting leukocytes to the site of injury.

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