

Human SELP Antibody Pair Set

| | | | |
|--------------------|---|---------------------|-------|
| Catalog No. | E-KAB-0005 | Applications | ELISA |
| Synonyms | CD62, CD62P, GMP140, GRMP, LECAM3, PADGEM, PSEL | | |

Kit components & Storage

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

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

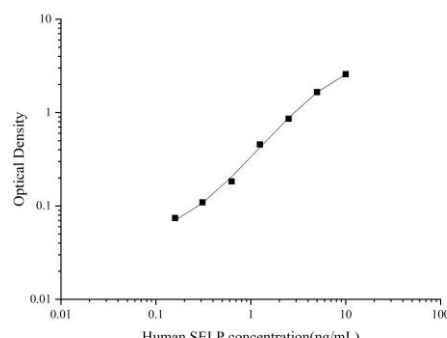
Product Information

| Items | | Characteristic (E-KAB-0005) | |
|-----------------------|---------------|--|---|
| | | Human SELP Capture Antibody | Human SELP Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Recombinant Human SELP protein | Recombinant Human SELP protein |
| | Swissprot | P16109 | |
| Product details | Reactivity | Human | Human |
| | Host | Sheep | Sheep |
| | 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 | Antigen Affinity | Antigen Affinity |
| | Specificity | Detects Human SELP in ELISAs. | |

For Research Use Only

Applications

Human SELP Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images | | | | | | | | | | | | | | | | |
|----------------------------------|------------------------------------|--|--|----------------------------------|-----------------|-----|------|-----|------|-----|------|---|-----|---|-----|---|-----|----|-----|
| ELISA Capture | 0.5-4μg/mL | Human SELP Capture Antibody |  <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human SELP concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>0.1</td><td>0.08</td></tr><tr><td>0.2</td><td>0.12</td></tr><tr><td>0.5</td><td>0.25</td></tr><tr><td>1</td><td>0.5</td></tr><tr><td>2</td><td>1.0</td></tr><tr><td>5</td><td>2.5</td></tr><tr><td>10</td><td>5.0</td></tr></tbody></table> | Human SELP concentration (ng/mL) | Optical Density | 0.1 | 0.08 | 0.2 | 0.12 | 0.5 | 0.25 | 1 | 0.5 | 2 | 1.0 | 5 | 2.5 | 10 | 5.0 |
| Human SELP concentration (ng/mL) | Optical Density | | | | | | | | | | | | | | | | | | |
| 0.1 | 0.08 | | | | | | | | | | | | | | | | | | |
| 0.2 | 0.12 | | | | | | | | | | | | | | | | | | |
| 0.5 | 0.25 | | | | | | | | | | | | | | | | | | |
| 1 | 0.5 | | | | | | | | | | | | | | | | | | |
| 2 | 1.0 | | | | | | | | | | | | | | | | | | |
| 5 | 2.5 | | | | | | | | | | | | | | | | | | |
| 10 | 5.0 | | | | | | | | | | | | | | | | | | |
| ELISA Detection | 1:1000-1:10000 | Human SELP Detection Antibody (Biotin) | | | | | | | | | | | | | | | | | |

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

Background

P-selectin, also known as GMP140 or CD62P, is a transmembrane glycoprotein that mediates the interaction of activated endothelial cells or platelets with leukocytes. It is an adhesion molecule involved in the pathogenesis of inflammation, thrombosis, and oncogenesis. P-selectin is stored in the alpha-granules of platelets and Weibel-Palade bodies of endothelial cells. Upon cell activation by agonists, P-selectin is transported rapidly to the cell surface.

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