

Rat VWF Antibody Pair Set

Catalog No. E-KAB-0395

Applications

ELISA

Synonyms F8VWF, VWD

Kit components & Storage

| Title | Specifications | Storage |
|-------------------------------------|----------------|---|
| Rat VWF Capture Antibody | 1 vial, 100 µg | Store at -20°C for one year. Avoid freeze / thaw cycles. |
| Rat VWF 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.

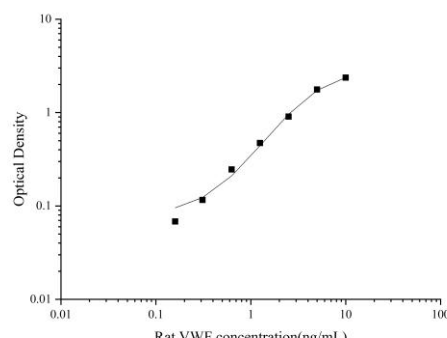
Product Information

| Items | | Characteristic (E-KAB-0395) | |
|-----------------------|---------------|--|---|
| | | Rat VWF Capture Antibody | Rat VWF Detection Antibody (Biotin) |
| Immunogen Information | Immunogen | Native Protein | Native Protein |
| | Swissprot | Q62935 | |
| Product details | Reactivity | Rat | Rat |
| | 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 Rat VWF in ELISAs. | |

For Research Use Only

Applications

Rat VWF Sandwich ELISA Assay:

| | Recommended Concentration/Dilution | Reagent | Images | | | | | | | | | | | | | | | | |
|-------------------------------|------------------------------------|-------------------------------------|---|-------------------------------|-----------------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|------|------|
| ELISA Capture | 0.5-4µg/mL | Rat VWF Capture Antibody |  <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Rat VWF 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>1.0</td><td>0.50</td></tr><tr><td>2.0</td><td>1.00</td></tr><tr><td>5.0</td><td>2.50</td></tr><tr><td>10.0</td><td>5.00</td></tr></tbody></table> | Rat VWF concentration (ng/mL) | Optical Density | 0.1 | 0.08 | 0.2 | 0.12 | 0.5 | 0.25 | 1.0 | 0.50 | 2.0 | 1.00 | 5.0 | 2.50 | 10.0 | 5.00 |
| Rat VWF concentration (ng/mL) | Optical Density | | | | | | | | | | | | | | | | | | |
| 0.1 | 0.08 | | | | | | | | | | | | | | | | | | |
| 0.2 | 0.12 | | | | | | | | | | | | | | | | | | |
| 0.5 | 0.25 | | | | | | | | | | | | | | | | | | |
| 1.0 | 0.50 | | | | | | | | | | | | | | | | | | |
| 2.0 | 1.00 | | | | | | | | | | | | | | | | | | |
| 5.0 | 2.50 | | | | | | | | | | | | | | | | | | |
| 10.0 | 5.00 | | | | | | | | | | | | | | | | | | |
| ELISA Detection | 1:1000-1:10000 | Rat VWF Detection Antibody (Biotin) | | | | | | | | | | | | | | | | | |

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

Background

The glycoprotein encoded by this gene functions as both an antihemophilic factor carrier and a platelet-vessel wall mediator in the blood coagulation system. It is crucial to the hemostasis process. Mutations in this gene or deficiencies in this protein result in von Willebrand's disease. An unprocessed pseudogene has been found on chromosome 22.

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