

## Rat Von Willebrand Factor ELISA Kit | vWF elisa kit

Rat Von Willebrand Factor (vWF) ELISA Kit

CATALOG #  
AAA145519

REACTIVITY  
Rat

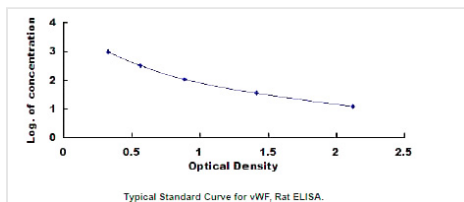
### PRODUCT SYNONYMS

Von Willebrand Factor; Rat Von Willebrand Factor (vWF) ELISA Kit; F8VWF; VWD; von Willebrand antigen 2; vWF elisa kit

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity                                       | This assay has high sensitivity and excellent specificity for detection of Von Willebrand Factor (vWF). No significant cross-reactivity or interference between Von Willebrand Factor (vWF) and analogues was observed.                                                                                                                                                                                                                                                                    |
| Sequence Length                                   | 2813                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Assay Type                                        | Competitive Inhibition                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Samples                                           | Plasma                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Detection Range                                   | 12.35-1,000ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Sensitivity                                       | 4.99ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Application                                       | Enzyme-linked immunosorbent assay for Antigen Detection.                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Intra-assay Precision (Precision within an assay) | 3 samples with low, middle and high level Von Willebrand Factor (vWF) were tested 20 times on one plate, respectively.                                                                                                                                                                                                                                                                                                                                                                     |
| Inter-assay Precision (Precision between assays)  | 3 samples with low, middle and high level Von Willebrand Factor (vWF) were tested on 3 different plates, 8 replicates in each plate.                                                                                                                                                                                                                                                                                                                                                       |
| CV(%) =                                           | SD/meanX100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Intra-Assay                                       | CV<10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Inter-Assay                                       | CV<12%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage                           | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for vWF elisa kit | This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Von Willebrand Factor (vWF) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Von Willebrand Factor (vWF) and unlabeled Von Willebrand Factor (vWF) (Standards or samples) with the pre-coated antibody specific to Von Willebrand Factor (vWF). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Von Willebrand Factor (vWF) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Von Willebrand Factor (vWF) in the sample. |
| Product Categories/Family for vWF elisa kit   | Signal transduction; Hematology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 89191868                            |
| NCBI GeneID                      | 7450                                |
| NCBI Accession #                 | NP_000543.2                         |
| NCBI GenBank Nucleotide #        | NM_000552.3                         |
| Molecular Weight                 | 38,745 Da                           |
| NCBI Official Full Name          | von Willebrand factor preproprotein |
| NCBI Official Synonym Full Names | von Willebrand factor               |
| NCBI Official Symbol             | VWF                                 |
| NCBI Official Synonym Symbols    | VWD; F8VWF                          |
| NCBI Protein Information         | von Willebrand factor               |
| UniProt Protein Name             | von Willebrand factor               |
| UniProt Gene Name                | VWF                                 |
| UniProt Synonym Gene Names       | F8VWF; vWF                          |
| UniProt Entry Name               | VWF_HUMAN                           |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/vwf-rat-elisa-kits/von-willebrand-factor/145519>