

## Human Plexin domain-containing protein 1 ELISA Kit | PLXDC1 elisa kit

Human Plexin domain-containing protein 1 (PLXDC1) ELISA Kit

|                              |                            |
|------------------------------|----------------------------|
| CATALOG #<br><b>AAA55686</b> | REACTIVITY<br><b>Human</b> |
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### PRODUCT SYNONYMS

Plexin domain-containing protein 1; Human Plexin domain-containing protein 1 (PLXDC1) ELISA Kit; PLXDC1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                 |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Human PLXDC1. No significant cross-reactivity or interference between Human PLXDC1 and analogues was observed.             |
| Sequence Length         | 500                                                                                                                                                                                                   |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                 |
| Samples                 | Serum, plasma, urine and other biological fluids                                                                                                                                                      |
| Detection Range         | 62.5 pg/mL - 4000 pg/mL                                                                                                                                                                               |
| Sensitivity             | 31 pg/mL (mean of 6 independent assays)                                                                                                                                                               |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                |

### ADDITIONAL INFORMATION

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| Related Product Information for<br>PLXDC1 elisa kit | <p>Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate PLXDC1 in Human serum, plasma, urine. An antibody specific for PLXDC1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PLXDC1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PLXDC1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PLXDC1 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> <p>Intended Uses: For the quantitative detection of Human Plexin domain-containing protein 1 (PLXDC1) concentration in serum, plasma, urine and other biological fluids.</p> |
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### NCBI AND UNIPROT INFORMATION

|                           |                                                                                                                                                     |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                 | <a href="#">15011862</a>                                                                                                                            |
| NCBI GeneID               | <a href="#">57125</a>                                                                                                                               |
| NCBI Accession #          | <a href="#">NP_065138.2</a>                                                                                                                         |
| NCBI GenBank Nucleotide # | <a href="#">NM_020405.4</a>                                                                                                                         |
| UniProt Accession #       | <a href="#">Q8IUU5</a> ; <a href="#">Q5QCZ7</a> ; <a href="#">Q5QCZ8</a> ; <a href="#">Q5QCZ9</a> ; <a href="#">Q9HCT9</a> ; <a href="#">B2R718</a> |

|                                         |                                    |
|-----------------------------------------|------------------------------------|
| <b>Molecular Weight</b>                 | 47,895 Da                          |
| <b>NCBI Official Full Name</b>          | plexin domain-containing protein 1 |
| <b>NCBI Official Synonym Full Names</b> | plexin domain containing 1         |
| <b>NCBI Official Symbol</b>             | PLXDC1                             |
| <b>NCBI Official Synonym Symbols</b>    | TEM3; TEM7                         |
| <b>NCBI Protein Information</b>         | plexin domain-containing protein 1 |
| <b>UniProt Protein Name</b>             | Plexin domain-containing protein 1 |
| <b>UniProt Gene Name</b>                | <b>PLXDC1</b>                      |
| <b>UniProt Synonym Gene Names</b>       | TEM3; TEM7                         |

**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/plxdc1-human-elisa-kits/plexin-domain-containing-protein-1/55686>