

## Mouse Platelet Derived Growth Factor BB (PDGF BB) ELISA Kit | PDGFBB elisa kit

Platelet Derived Growth Factor BB (PDGF BB) ELISA Kit

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| CATALOG #<br><b>AAA189349</b> | REACTIVITY<br><b>Mouse</b> | APPLICATIONS<br><b>ELISA</b> |
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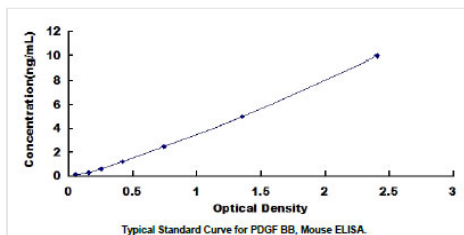
### PRODUCT SYNONYMS

Platelet Derived Growth Factor BB (PDGF BB); Platelet Derived Growth Factor BB (PDGF BB) ELISA Kit; PDGF-BB; PDGFBB elisa kit

### PRODUCT SPECIFICATIONS

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Reactivity                                   | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity                                  | This assay has high sensitivity and excellent specificity for detection of PDGF BB. No significant cross-reactivity or interference between PDGF BB and analogues was observed.                                                                                                                                                                                                                                                                                                            |
| Samples                                      | Serum, plasma and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Assay Type                                   | Quantitative Sandwich                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Detection Range                              | 0.156-10ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity                                  | < 0.062ng/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Applicable Applications for PDGFBB elisa kit | ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Intra-assay Precision                        | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PDGF BB were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                                                                                                                                                                                                                                                                                                  |
| Inter-assay Precision                        | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PDGF BB were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| Related Product Information for PDGFBB elisa kit | <p>Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PDGF BB in mouse serum, plasma and other biological fluids.</p> <p>Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PDGF BB. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PDGF BB. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PDGF BB, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of PDGF BB in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 40538817                                                                                                                                                                               |
| NCBI GeneID                      | 18591                                                                                                                                                                                  |
| NCBI Accession #                 | NP_035187.2                                                                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_011057.3                                                                                                                                                                            |
| UniProt Accession #              | P31240; Q6P3C4                                                                                                                                                                         |
| Molecular Weight                 | 27,382 Da                                                                                                                                                                              |
| NCBI Official Full Name          | platelet-derived growth factor subunit B                                                                                                                                               |
| NCBI Official Synonym Full Names | platelet derived growth factor, B polypeptide                                                                                                                                          |
| NCBI Official Symbol             | Pdgfb                                                                                                                                                                                  |
| NCBI Official Synonym Symbols    | Sis; PDGF-B                                                                                                                                                                            |
| NCBI Protein Information         | platelet-derived growth factor subunit B; PDGF subunit B; PDGF-2; c-sis; platelet-derived growth factor B chain; platelet-derived growth factor beta polypeptide; proto-oncogene c-Sis |
| UniProt Protein Name             | Platelet-derived growth factor subunit B                                                                                                                                               |
| UniProt Gene Name                | Pdgfb                                                                                                                                                                                  |
| UniProt Synonym Gene Names       | Sis; PDGF subunit B                                                                                                                                                                    |
| UniProt Entry Name               | PDGFB_MOUSE                                                                                                                                                                            |

**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://stage.aaabiotech.com/pdgfb-mouse-elisa-kits/platelet-derived-growth-factor-bb-pdgfb/189349>