

Rat Platelet Derived Growth Factor BB ELISA Kit | PDGF BB elisa kit

Rat Platelet Derived Growth Factor BB (PDGF BB) (Sandwich ELISA) ELISA Kit

CATALOG #
AAA190076

REACTIVITY
Rat

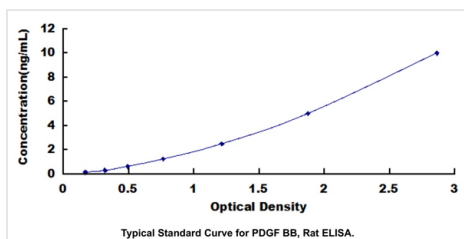
PRODUCT SYNONYMS

Platelet Derived Growth Factor BB; Rat Platelet Derived Growth Factor BB (PDGF BB) (Sandwich ELISA) ELISA Kit; PDGF-BB; ELISA Kit for Platelet Derived Growth Factor BB (PDGF BB); PDGF BB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.058ng/mL
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	4 degree C for 1 month/ -20 degree C for long-term(within shelf life). Shelf life is one year

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGF BB elisa kit	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 $\pm$ 10nm. The concentration of PDGF BB in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PDGF BB in rat tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for PDGF BB elisa kit	Cytokine

NCBI AND UNIPROT INFORMATION

NCBI GI #	158081747
NCBI GeneID	24628
NCBI Accession #	NP_113712.1
NCBI GenBank Nucleotide #	NM_031524.1
UniProt Accession #	Q05028
Molecular Weight	25,603 Da
NCBI Official Full Name	platelet-derived growth factor subunit B
NCBI Official Synonym Full Names	platelet-derived growth factor beta polypeptide
NCBI Official Symbol	Pdgfb
NCBI Official Synonym Symbols	SIS; c-sis
NCBI Protein Information	platelet-derived growth factor subunit B; PDGF subunit B; PDGF-2; Platelet-derived growth factor, same as Sis (Simian sarcoma viral oncogene homologue, c-sis); pdgf protein; platelet derived growth factor, B polypeptide; platelet-derived growth factor B c
UniProt Protein Name	Platelet-derived growth factor subunit B
UniProt Gene Name	Pdgfb
UniProt Synonym Gene Names	PDGF subunit B
UniProt Entry Name	PDGFB_RAT

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/pdgf-bb-rat-elisa-kits/platelet-derived-growth-factor-bb/190076>