

Rat Platelet Derived Growth Factor Receptor Beta (PDGFRb) ELISA Kit | PDGFRb elisa kit

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CATALOG #
AAA185467

REACTIVITY
Rat

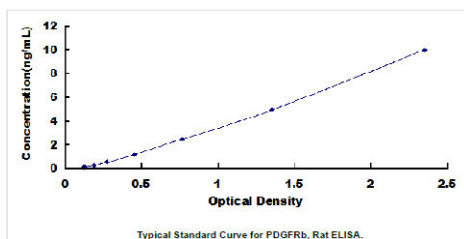
PRODUCT SYNONYMS

Platelet Derived Growth Factor Receptor Beta (PDGFRb); Rat Platelet Derived Growth Factor Receptor Beta (PDGFRb) ELISA Kit; CD140b; JTK12; PDGF-R-Beta; PDGFR; PDGFR1; CD140 antigen-like family member B; Platelet-derived growth factor receptor 1; Beta-type platelet-derived growth factor receptor; PDGFRb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PDGFRb. No significant cross-reactivity or interference between PDGFRb and analogues was observed.
Sequence Length	1097
Samples	Rat tissue homogenates, cell lysates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	< 0.056ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PDGFRb 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 PDGFRb 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. 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 PDGFRb elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PDGFRb in rat tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PDGFRb. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PDGFRb. 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 PDGFRb, 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 PDGFRb in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29789275
NCBI GeneID	24629
NCBI Accession #	NP_113713.1
NCBI GenBank Nucleotide #	NM_031525.1
UniProt Accession #	Q05030; Q8R406; Q925F7
Molecular Weight	122,828 Da
NCBI Official Full Name	platelet-derived growth factor receptor beta
NCBI Official Synonym Full Names	platelet derived growth factor receptor beta
NCBI Official Symbol	Pdgfrb
NCBI Official Synonym Symbols	PDGFR-1
NCBI Protein Information	platelet-derived growth factor receptor beta
UniProt Protein Name	Platelet-derived growth factor receptor beta
UniProt Gene Name	Pdgfrb
UniProt Synonym Gene Names	Pdgfr; Pdgfr1; PDGF-R-beta; PDGFR-beta; PDGFR-1

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/rat-elisa-kits/platelet-derived-growth-factor-receptor-beta-pdgfrb/185467>