

Human platelet-derived growth factor receptor, beta polypeptide ELISA Kit | PDGFRB elisa kit

Human Beta-type platelet-derived growth factor receptor, PDGFRB ELISA Kit

CATALOG #
AAA112585

REACTIVITY
Human

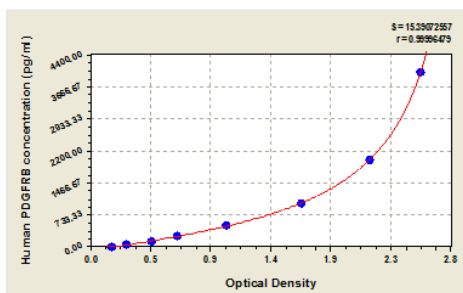
PRODUCT SYNONYMS

platelet-derived growth factor receptor; beta polypeptide; Human Beta-type platelet-derived growth factor receptor; PDGFRB ELISA Kit; Human Beta-type platelet-derived growth factor receptor (PDGFRB) ELISA kit; CD140B; JTK12; PDGFR; PDGFR1; CD140 antigen-like family member B; PDGF-R-beta; platelet-derived growth factor receptor beta; PDGFRB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PDGFRB. No significant cross-reactivity or interference between human PDGFRB and analogues was observed.
Sequence Length	1106
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	62.5 pg/ml -4000 pg/ml.
Sensitivity	The minimum detectable dose of human PDGFRB is typically less than 15.6 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGFRB elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PDGFRB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PDGFRB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDGFRB is added to the wells. After washing, avidin 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 PDGFRB bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505683
NCBI GeneID	5159
NCBI Accession #	NP_002600.1
NCBI GenBank Nucleotide #	NM_002609.3
UniProt Accession #	P09619; Q8N5L4
Molecular Weight	123,968 Da
NCBI Official Full Name	platelet-derived growth factor receptor beta
NCBI Official Synonym Full Names	platelet-derived growth factor receptor, beta polypeptide
NCBI Official Symbol	PDGFRB
NCBI Official Synonym Symbols	IMF1; IBGC4; JTK12; PDGFR; CD140B; PDGFR1; PDGFR-1
NCBI Protein Information	platelet-derived growth factor receptor beta; PDGFR-beta; PDGF-R-beta; CD140 antigen-like family member B; platelet-derived growth factor receptor 1; beta-type platelet-derived growth factor receptor
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
UniProt Entry Name	PGFRB_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://stage.aaabiotech.com/pdgfrb-human-elisa-kits/platelet-derived-growth-factor-receptor-beta-polypeptide/112585>