

Mouse Beta-type platelet-derived growth factor receptor (PDGFRB) ELISA Kit | PDGFRB elisa kit

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CATALOG #
AAA244653

REACTIVITY
Mouse

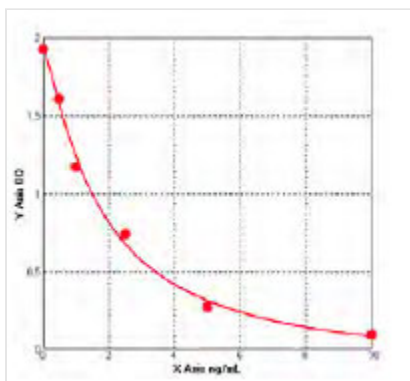
PRODUCT SYNONYMS

Beta-type platelet-derived growth factor receptor (PDGFRB); Mouse Beta-type platelet-derived growth factor receptor (PDGFRB) ELISA Kit; PDGFRB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PDGFRB and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGFRB elisa kit	Intended Uses: This PDGFRB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PDGFRB. This ELISA kit for research use only! Principle of the Assay: PDGFRB ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PDGFRB antibody and an PDGFRB-HRP conjugate. The assay sample and buffer are incubated together with PDGFRB-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PDGFRB concentration since PDGFRB from samples and PDGFRB-HRP conjugate compete for the anti-PDGFRB antibody binding site. Since the number of sites is limited, as more sites are occupied by PDGFRB from the sample, fewer sites are left to bind PDGFRB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PDGFRB concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PDGFRB elisa kit	Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	300117068
NCBI GeneID	559529
NCBI Accession #	NP_001177862.1
NCBI GenBank Nucleotide #	NM_001190933.1
NCBI Official Full Name	beta-type platelet-derived growth factor receptor
NCBI Official Symbol	pdgfrb
NCBI Protein Information	beta-type platelet-derived growth factor receptor; platelet-derived growth factor receptor beta 2

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/mouse-elisa-kits/beta-type-platelet-derived-growth-factor-receptor-pdgfrb/244653>