

Human Platelet derived growth factor Alpha receptor ELISA Kit | PDGF Alpha R elisa kit

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CATALOG #
AAA87808

REACTIVITY
Human

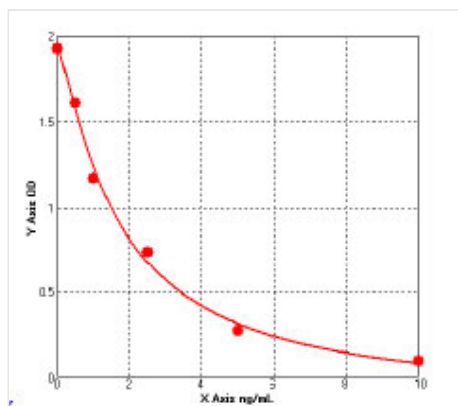
PRODUCT SYNONYMS

Platelet derived growth factor Alpha receptor; Human Platelet derived growth factor Alpha receptor ELISA Kit; PDGF Alpha R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PDGFRa. No significant cross-reactivity or interference between PDGFRa and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PDGFRa 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 PDGF Alpha R elisa kit	Intended Uses: This PDGFRa ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PDGFRa. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PDGFRa ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-PDGFRa antibody and an PDGFRa-HRP conjugate. The assay sample and buffer are incubated together with PDGFRa-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 PDGFRa concentration since PDGFRa from samples and PDGFRa-HRP conjugate compete for the anti-PDGFRa antibody binding site. Since the number of sites is limited, as more sites are occupied by PDGFRa from the sample, fewer sites are left to bind PDGFRa-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PDGFRa concentration in each sample is interpolated from this standard curve.
Product Categories/Family for PDGF Alpha R elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	5453870
NCBI GeneID	5156
NCBI Accession #	NP_006197.1
NCBI GenBank Nucleotide #	NM_006206.4
Molecular Weight	82,809 Da
NCBI Official Full Name	platelet-derived growth factor receptor alpha
NCBI Official Synonym Full Names	platelet-derived growth factor receptor, alpha polypeptide
NCBI Official Symbol	PDGFRA
NCBI Official Synonym Symbols	CD140A; PDGFR2; PDGFR-2; RHEPDGFRA
NCBI Protein Information	platelet-derived growth factor receptor alpha; PDGF-R-alpha; CD140a antigen; PDGFRA/BCR fusion; CD140 antigen-like family member A; platelet-derived growth factor receptor 2; alpha-type platelet-derived growth factor receptor; rearranged-in-hypereosinophilia-platelet derived growth factor receptor alpha fusion protein
UniProt Protein Name	Platelet-derived growth factor receptor alpha
UniProt Gene Name	PDGFRA
UniProt Synonym Gene Names	PDGFR2; RHEPDGFRA; PDGF-R-alpha; PDGFR-alpha; PDGFR-2
UniProt Entry Name	PGFRA_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/pdgf-alpha-r-human-elisa-kits/platelet-derived-growth-factor-alpha-receptor/87808>