

Rat Platelet-derived growth factor-alpha receptor ELISA Kit | PDGF-alphaR elisa kit

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CATALOG #
AAA86900

REACTIVITY
Rat

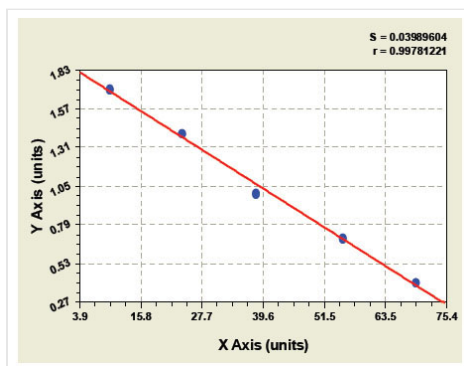
PRODUCT SYNONYMS

Platelet-derived growth factor-alpha receptor; Rat Platelet-derived growth factor-alpha receptor ELISA Kit; Rat Platelet-derived growth factor-a receptor ELISA Kit; PDGF-alphaR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This PDGF-alphaR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PDGF-alphaR. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGF-alphaR elisa kit

Principle of the Assay: PDGF-alphaR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-PDGF-alphaR antibody and an PDGF-alphaR-HRP conjugate. The assay sample and buffer are incubated together with PDGF-alphaR-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 PDGF-alphaR concentration since PDGF-alphaR from samples and PDGF-alphaR-HRP conjugate compete for the anti-PDGF-alphaR antibody binding site. Since the number of sites is limited, as more sites are occupied by PDGF-alphaR from the sample, fewer sites are left to bind PDGF-alphaR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PDGF-alphaR concentration in each sample is interpolated from this standard curve.

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-alphar-rat-elisa-kits/platelet-derived-growth-factor-alpha-receptor/86900>