

Rat Platelet Derived Growth Factor C ELISA Kit | PDGFC elisa kit

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CATALOG #
AAA86513

REACTIVITY
Rat

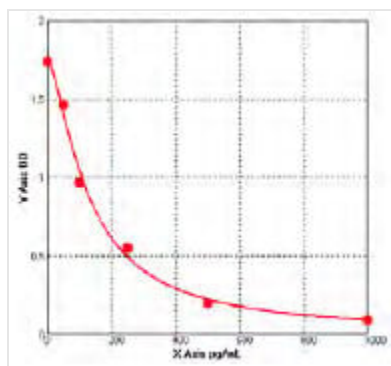
PRODUCT SYNONYMS

Platelet Derived Growth Factor C; Rat Platelet Derived Growth Factor C ELISA Kit; PDGFC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PDGFC. No significant cross-reactivity or interference between PDGFC and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PDGFC 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGFC elisa kit	Intended Uses: This PDGFC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PDGFC. This ELISA kit for research use only! Principle of the Assay: PDGFC ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PDGFC antibody and an PDGFC-HRP conjugate. The assay sample and buffer are incubated together with PDGFC-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 PDGFC concentration since PDGFC from samples and PDGFC-HRP conjugate compete for the anti-PDGFC antibody binding site. Since the number of sites is limited, as more sites are occupied by PDGFC from the sample, fewer sites are left to bind PDGFC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PDGFC concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	9994187
NCBI GeneID	56034
NCBI Accession #	NP_057289.1
NCBI GenBank Nucleotide #	NM_016205.2
Molecular Weight	20,609 Da
NCBI Official Full Name	platelet-derived growth factor C
NCBI Official Synonym Full Names	platelet derived growth factor C
NCBI Official Symbol	PDGFC
NCBI Official Synonym Symbols	SCDGF; FALLOTEIN
NCBI Protein Information	platelet-derived growth factor C; PDGF-C; VEGF-E; spinal cord-derived growth factor; secretory growth factor-like protein
UniProt Protein Name	Platelet-derived growth factor C
UniProt Gene Name	PDGFC
UniProt Synonym Gene Names	SCDGF; UNQ174/PRO200; PDGF-C; SCDGF; PDGFC latent form; PDGFC receptor-binding form
UniProt Entry Name	PDGFC_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.