

Rat Platelet Derived Growth Factor Receptor Alpha (PDGFRa) ELISA Kit | PDGFRa elisa kit

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CATALOG #
AAA13953

REACTIVITY
Rat

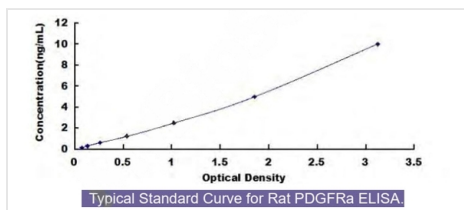
PRODUCT SYNONYMS

Platelet Derived Growth Factor Receptor Alpha (PDGFRa); Rat Platelet Derived Growth Factor Receptor Alpha (PDGFRa) ELISA Kit; CD140a; PDGFR2; Rhe-PDGFRa; CD140 antigen-like family member A; Platelet-derived growth factor receptor 2; Alpha-type platelet-derived growth factor receptor; PDGFRa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
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.
Sequence Length	1088
Assay Type	Quantitative Sandwich
Samples	Rat tissue homogenates, cell lysates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.054ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PDGFRa were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PDGFRa were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGFRa elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PDGFRa. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PDGFRa. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain PDGFRa, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of PDGFRa in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PDGFRa in rat tissue homogenates, cell lysates or other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	158186636
NCBI GeneID	25267
NCBI Accession #	NP_036934.1
NCBI GenBank Nucleotide #	NM_012802.1
UniProt Accession #	P20786
Molecular Weight	122,642 Da
NCBI Official Full Name	platelet-derived growth factor receptor alpha
NCBI Official Synonym Full Names	platelet derived growth factor receptor alpha
NCBI Official Symbol	Pdgfra
NCBI Official Synonym Symbols	APDGFR; PDGFACE
NCBI Protein Information	platelet-derived growth factor receptor alpha
UniProt Protein Name	Platelet-derived growth factor receptor alpha
UniProt Gene Name	Pdgfra
UniProt Synonym Gene Names	PDGF-R-alpha; PDGFR-alpha

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/platelet-derived-growth-factor-receptor-alpha-pdgfra/13953>