

Mouse platelet-derived growth factor receptor, alpha polypeptide ELISA Kit | PDGFRA elisa kit

Mouse Platelet-Derived Growth Factor Soluble Receptor alpha, PDGFsR-alpha ELISA Kit

CATALOG #

AAA80459

REACTIVITY

Mouse

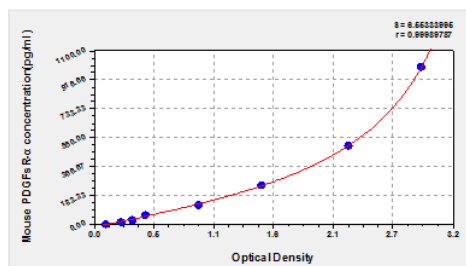
PRODUCT SYNONYMS

platelet-derived growth factor receptor; alpha polypeptide; Mouse Platelet-Derived Growth Factor Soluble Receptor alpha; PDGFsR-alpha ELISA Kit; PDGFsR-alpha ELISA kit; CD140A; MGC74795; PDGFR2; RHEPDGFRA; CD140 antigen-like family member A; PDGF-R-alpha; PDGFRA/BCR fusion; platelet-derived growth factor receptor alpha; rearranged-in-hypereosinophilia-platelet derived; PDGFRA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse PDGFsR-alpha. No significant cross-reactivity or interference between mouse PDGFsR-alpha and analogues was observed.
Sequence Length	1089
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	15.6 pg/ml -1000 pg/ml.
Sensitivity	The minimum detectable dose of mouse PDGFsR-alpha is typically less than 3.9 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PDGFRA elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PDGFsR-alpha has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PDGFsR-alpha present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDGFsR-alpha is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PDGFsR-alpha bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	134032016
NCBI GeneID	18595
NCBI Accession #	NP_001076785.1
NCBI GenBank Nucleotide #	NM_001083316.1
UniProt Accession #	P26618; Q3TQ37; Q62046; Q7TSJ3; Q8C4N3
Molecular Weight	122,683 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; Pdgfr-2; AI115593
NCBI Protein Information	platelet-derived growth factor receptor alpha; PDGFR-alpha; PDGF-R-alpha; PDGF alpha chain; CD140 antigen-like family member A; platelet-derived growth factor alpha receptor; alpha-type platelet-derived growth factor receptor; Alpha platelet-derived growth factor receptor precursor (PDGF-R-alpha)
UniProt Protein Name	Platelet-derived growth factor receptor alpha
UniProt Gene Name	Pdgfra
UniProt Synonym Gene Names	PDGF-R-alpha; PDGFR-alpha
UniProt Entry Name	PGFRA_MOUSE

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/pdgfra-mouse-elisa-kits/platelet-derived-growth-factor-receptor-alpha-polypeptide/80459>