

Human Beta-Type Platelet-Derived Growth Factor Receptor (PDGFRB) ELISA Kit | PDGFRB elisa kit

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CATALOG #
AAA331437

REACTIVITY
Human

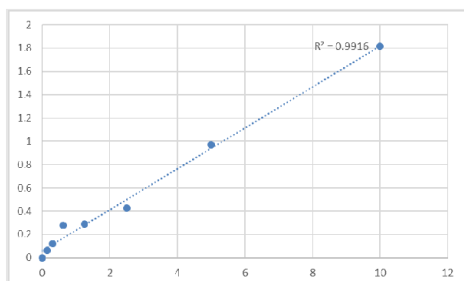
PRODUCT SYNONYMS

Beta-Type Platelet-Derived Growth Factor Receptor (PDGFRB); Human Beta-Type Platelet-Derived Growth Factor Receptor (PDGFRB) ELISA Kit; PDGFRB; CD140B; JTK12; PDGFR; PDGFR1; CD140 antigen-like family member B; PDGF-R-beta; platelet-derived growth factor receptor beta; PDGFRB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Beta-type platelet-derived growth factor receptor (PDGFRB) ELISA Kit has high sensitivity and excellent specificity for detection of Human PDGFRB. No significant cross-reactivity or interference between Human PDGFRB and analogues was observed.
Sequence Length	1106
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Beta-type platelet-derived growth factor receptor (PDGFRB) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PDGFRB elisa kit	Description: This Human Beta-type platelet-derived growth factor receptor (PDGFRB) ELISA Kit employs a two-site sandwich ELISA to quantitate PDGFRB in samples. An antibody specific for PDGFRB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PDGFRB present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDGFRB is added to the wells. After washing, Streptavidin 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 PDGFRB bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: PDGFRb is a cell surface tyrosine kinase receptor for members of the platelet-derived growth factor family. These growth factors are mitogens for cells of mesenchymal origin. The identity of the growth factor bound to a receptor monomer determines whether the functional receptor is a homodimer or a heterodimer, composed of both platelet-derived growth factor receptor alpha and beta polypeptides. This gene is flanked on chromosome 5 by the genes for granulocyte-macrophage colony-stimulating factor and macrophage-colony stimulating factor receptor; all three genes may be implicated in the 5-q syndrome. A translocation between chromosomes 5 and 12, that fuses this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferative disorder with eosinophilia.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4505683
NCBI GeneID	5159
NCBI Accession #	NP_002600.1
NCBI GenBank Nucleotide #	NP_002600.1
UniProt Accession #	P09619
NCBI Official Full Name	platelet-derived growth factor receptor beta isoform 1
NCBI Official Synonym Full Names	platelet derived growth factor receptor beta
NCBI Official Symbol	PDGFRB
NCBI Official Synonym Symbols	IMF1; KOGS; IBGC4; JTK12; PDGFR; PENTT; CD140B; PDGFR1; PDGFR-1
NCBI Protein Information	platelet-derived growth factor receptor beta
UniProt Protein Name	Platelet-derived growth factor receptor beta
UniProt Gene Name	PDGFRB
UniProt Synonym Gene Names	PDGFR; PDGFR1; PDGF-R-beta; PDGFR-beta; PDGFR-1
UniProt Entry Name	PGFRB_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.