

Human Beta-type platelet-derived growth factor receptor (PDGFRB) ELISA Kit



Catalog No: #EK8609

Orders: order@signalwayantibody.com

Package Size: #EK8609-1 48T #EK8609-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Human Beta-type platelet-derived growth factor receptor (PDGFRB) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	CD140B; JTK12; PDGFR; PDGFR1; CD140 antigen-like family member B PDGF-R-beta platelet-derived growth factor receptor beta
Accession No.	P09619
Uniprot	P09619
GeneID	5159;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.054 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay 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 anyPDGFRB 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.**Product Overview:**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.

Note: This product is for in vitro research use only