

# Human Platelet-derived growth factor receptor-like protein (PDGFRL) ELISA Kit



Catalog No: #EK8608

Orders: order@signalwayantibody.com

Package Size: #EK8608-1 48T #EK8608-2 96T

Support: tech@signalwayantibody.com

## Description

Product Name	Human Platelet-derived growth factor receptor-like protein (PDGFRL) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	PDGRL; PRLTS; OTTHUMP00000161390 platelet-derived growth factor receptor-like protein platelet-derived growth factor-beta-like tumor suppressor
Accession No.	Q15198
Uniprot	Q15198
GeneID	5157;
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:0.071 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 PDGFRL in samples. An antibody specific for PDGFRL has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPDGFRL present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PDGFRL 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 PDGFRL bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**PDGFRL is a protein with significant sequence similarity to the ligand binding domain of platelet-derived growth factor receptor beta. Mutations in this gene, or deletion of a chromosomal segment containing this gene, are associated with sporadic hepatocellular carcinomas, colorectal cancers, and non-small cell lung cancers. This suggests this gene product may function as a tumor suppressor.

The 375-amino acid protein predicted from this cDNA has hydrophobic sequence at the NH2 terminus, characteristic of signal peptides. It shows 27% and 25% identity with the extracellular domain of platelet-derived growth factor receptor-beta and FMS-like tyrosine kinase (FLT), respectively.

---

Note: This product is for in vitro research use only