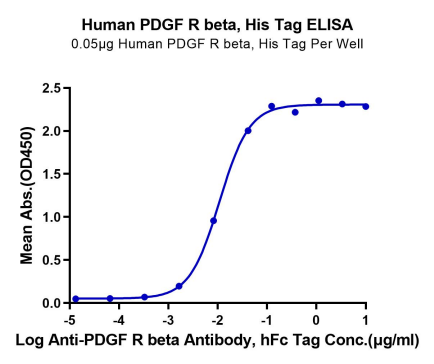
Bioactive CellTx™ HuPro®

PDGFRB (Human) Recombinant Protein

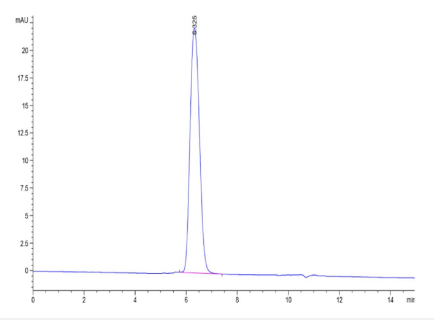
Catalog # P10215 Size 100 ug

Applications



Enzyme-linked Immunoabsorbent Assay

Immobilized Human CD4 at 0.5 ug/ml (100 ul/Well) on the plate. Dose response curve for Biotinylated Anti-CD4 Antibody, hFc Tag with the EC_{50} of 24.8 ng/ml determined by ELISA.



SEC-HPLC

The purity of Human CD4 is greater than 95% as determined by SEC-HPLC.

Copyright © 2023 Abnova Corporation. All Rights Reserved.



Tris-Bis PAGE

Human CD4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Specification

Product Description	Human PDGFRB (P09619, Leu33-Phe530) partial recombinant protein with His-Avi tag at C-terminus expressed in HEK293 cells.
Sequence	Leu33-Phe530
Host	Human
Theoretical MW (kDa)	59
Form	Lyophilized
Preparation Method	Mammalian cell (HEK293) expression system
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Endotoxin Level	< 1 EU per 1 ug of protein (determined by LAL method)
Quality Control Testing	SEC-HPLC SEC-HPLC The purity of Human CD4 is greater than 95% as determined by SEC-HPLC. Tris-Bis PAGE Human CD4 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Recommend Usage	Biological Activity ELISA SEC-HPLC Tris-Bis PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from filtered solution in PBS, pH 7.4 (5% trehalose).
Storage Instruction	After reconstitution with deionized water to a final concentration more than 100 ug/ml, store at 4°C for 1 week. For long term storage, store at -80°C for 1 year. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- Enzyme-linked Immunoabsorbent Assay

  Immobilized Human CD4 at 0.5 ug/ml (100 ul/Well) on the plate. Dose response curve for Biotinylated Anti-CD4 Antibody, hFc Tag with the EC_{50} of 24.8 ng/ml determined by ELISA.

Gene Info — PDGFRB

Entrez GeneID	5159
Protein Accession#	P09619
Gene Name	PDGFRB
Gene Alias	CD140B, JTK12, PDGF-R-beta, PDGFR, PDGFR1
Gene Description	platelet-derived growth factor receptor, beta polypeptide
Omim ID	131440 173410
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a cell surface tyrosine kinase receptor for members of the platelet-derived gro wth 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-macroph age 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 fus es this gene to that of the translocation, ETV6, leukemia gene, results in chronic myeloproliferativ e disorder with eosinophilia. [provided by RefSeq

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Other Designations	beta platelet-derived growth factor receptor|platelet-derived growth factor receptor beta|soluble PDGFRb variant 1

Pathway

- Calcium signaling pathway
- Colorectal cancer
- Cytokine-cytokine receptor interaction
- Focal adhesion
- Gap junction
- Glioma
- MAPK signaling pathway
- Melanoma
- Pathways in cancer
- Prostate cancer
- Regulation of actin cytoskeleton

Disease

- Acute Disease
- Adenocarcinoma
- Alzheimer disease
- Cardiovascular Diseases
- Diabetes Complications
- Diabetes Mellitus
- Disease Models
- Edema
- Esophageal Neoplasms

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Genetic Predisposition to Disease
- Hyperparathyroidism
- Kidney Failure
- Leukemia
- Metabolic Syndrome X
- Neoplasms
- Osteoporosis
- Ovarian Neoplasms
- Schizophrenia
- Subdural Effusion

Copyright © 2023 Abnova Corporation. All Rights Reserved.