

Cynomolgus PDGF R beta/CD140b Protein

Cat. No. PGF-CM1RB

Description

Source	Recombinant Cynomolgus PDGF R beta/CD140b Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Leu33-Lys531.
Accession	A0A2K5TUS0
Molecular Weight	The protein has a predicted MW of 57.49 kDa. Due to glycosylation, the protein migrates to 75-105 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage

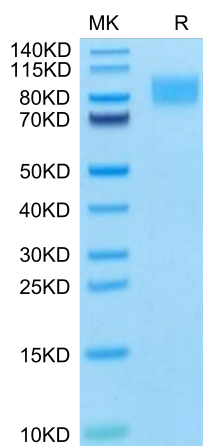
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Platelet-derived growth factor receptor (PDGFR) signaling is involved in proliferation and survival in a wide array of cell types. PDGFR-β signalling, via TGF-β signalling, may be crucial for restoration of BBB integrity after cerebral ischemia and therefore represents a novel potential therapeutic target.

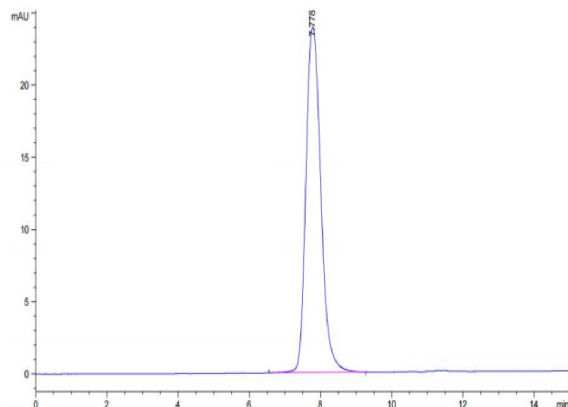
Assay Data

Bis-Tris PAGE



Cynomolgus PDGF R beta on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



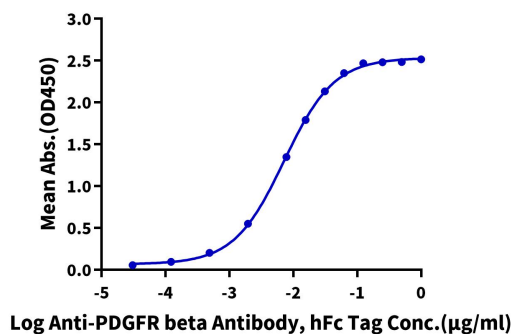
The purity of Cynomolgus PDGF R beta is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Cynomolgus PDGFR beta, His Tag ELISA

0.2µg Cynomolgus PDGFR beta, His Tag Per Well



Immobilized Cynomolgus PDGFR beta, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Anti-PDGFRB Antibody, hFc Tag with the EC50 of 7.2ng/ml determined by ELISA.