PRODUCT INFORMATION

Target	PDGFRA
Synonyms	CD140A; PDGFR2; PDGFR-2
Description	Recombinant human PDGFRA Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P16234
Expression Host	HEK293
Tag	C-6×His tag
Molecular Characterization	PDGFRA(Gln24-Ala528) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 57.4 kDa after removal of the signal peptide. The apparent molecular mass of PDGFRA-His is approximately 100-130 kDa due to glycosylation.
Purity	The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	This gene encodes 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. Studies suggest that this gene plays a role in organ development, wound healing, and tumor progression. Mutations in this gene have been associated with idiopathic hypereosinophilic syndrome, somatic and familial gastrointestinal stromal tumors, and a variety of other cancers. [provided by RefSeq, Mar 2012]
Usage	Research use only
Conjugate	Unconjugated

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Address: Wuhan institute of Biotechnology B7, Biolake No.666 Gaoxin Road, Wuhan, Hubei, China
Telephone: +1 2409940618(USA)
/+86-18062749453(China)
/+86-400-006-0995(China)

Email: info@dimabio.com
Website: www.dimabio.com

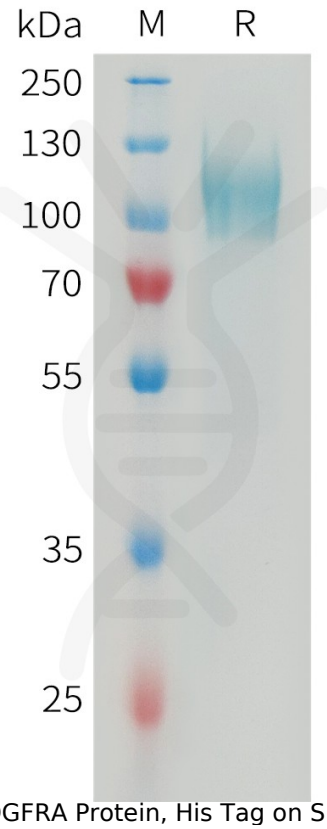


Figure 1. Human PDGFRA Protein, His Tag on SDS-PAGE under reducing condition.

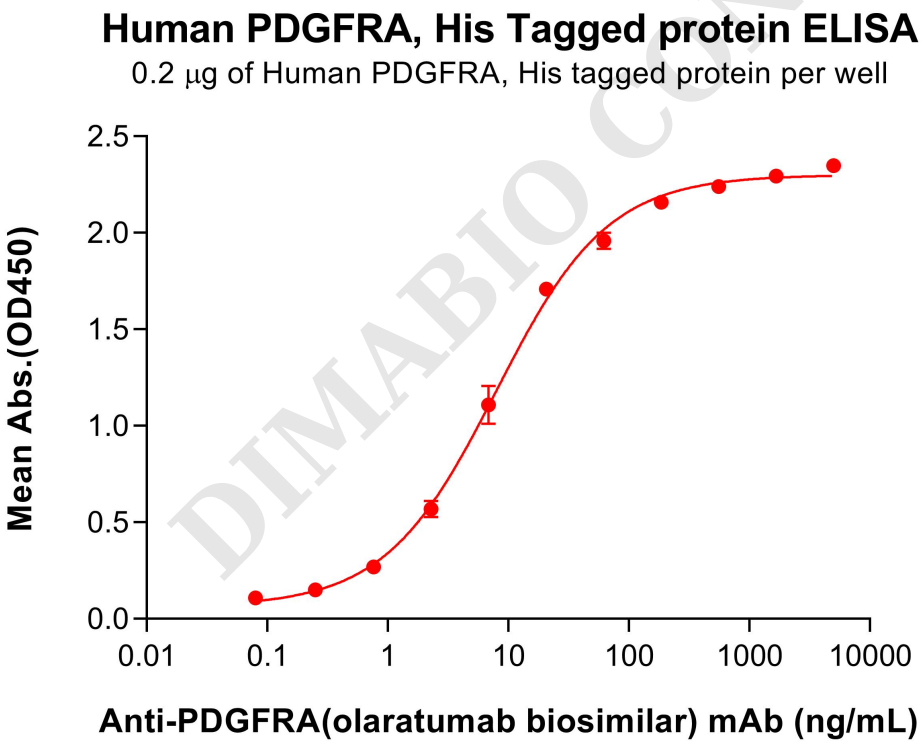


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human PDGFRA Protein, His Tag (PME101358) can bind Anti-PDGFRA(olaratumab biosimilar) mAb (BME100598) in a linear range of 2.29–61.73 ng/mL.

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Email: info@dimabio.com
Website: www.dimabio.com