PRODUCT INFORMATION

Target	VEGFR2
Synonyms	CD309;FLK1;VEGFR;VEGFR2
Description	Recombinant human VEGFR2 Protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P35968
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	VEGFR2(Ala20-Glu764) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 84.1kDa after removal of the signal peptide.The apparent molecular mass of VEGFR2-His is approximately 130-250 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% 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 of reconstitution.
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	Vascular endothelial growth factor (VEGF) is a major growth factor for endothelial cells. This gene encodes one of the two receptors of the VEGF. This receptor, known as kinase insert domain receptor, is a type III receptor tyrosine kinase. It functions as the main mediator of VEGF-induced endothelial proliferation, survival, migration, tubular morphogenesis and sprouting. The signalling and trafficking of this receptor are regulated by multiple factors, including Rab GTPase, P2Y purine nucleotide receptor, integrin alphaVbeta3, T-cell protein tyrosine phosphatase, etc.. Mutations of this gene are implicated in infantile capillary hemangiomas. [provided by RefSeq, May 2009]
Usage	Research use only
Conjugate	Unconjugated

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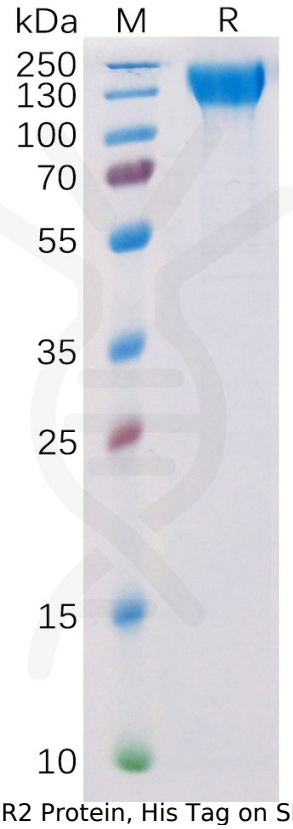


Figure 1. Human VEGFR2 Protein, His Tag on SDS-PAGE under reducing condition.

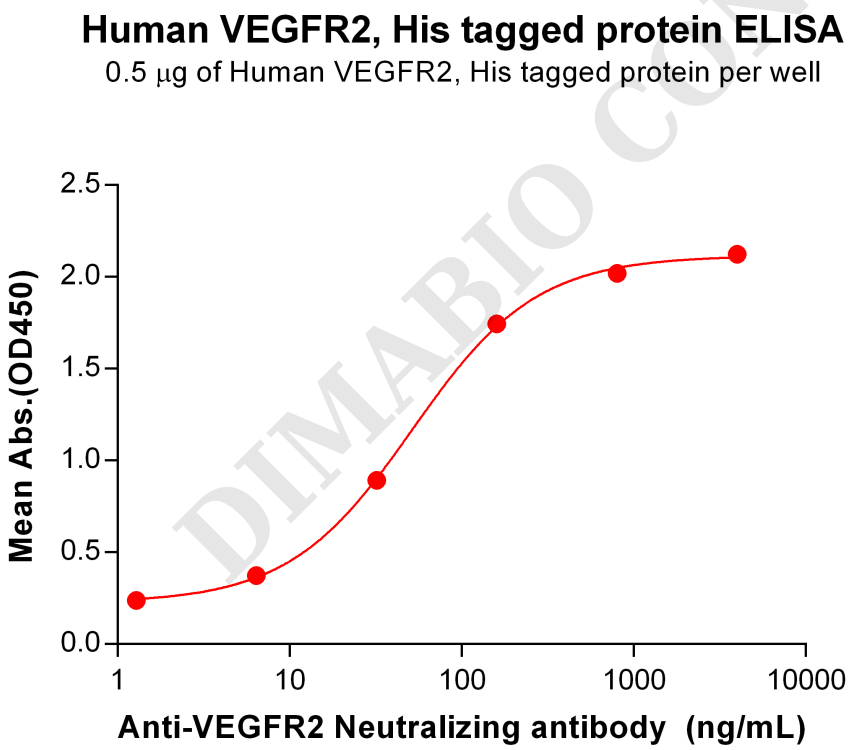


Figure 2. ELISA plate pre-coated by 5 μg/mL (100 μL/well) Human VEGFR2 protein, His Tag (PME100104) can bind Anti-VEGFR2 Neutralizing antibody BME100060 in a linear range of 6.4-800 ng/mL.

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