PRODUCT INFORMATION

Target	FLT1
Synonyms	VEGFR-1;Tyrosine-protein kinase FRT;FLT-1;FLT;Vascular permeability factor receptor
Description	Recombinant human FLT1 protein with C-terminal 6×His tag
Delivery	In Stock
Uniprot ID	P17948
Expression Host	HEK293
Tag	C-6×His Tag
Molecular Characterization	FLT1(Ser27-Asn756) 6×His tag
Molecular Weight	The protein has a predicted molecular mass of 83.0 kDa after removal of the signal peptide. The apparent molecular mass of FLT1-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 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	This gene encodes a member of the vascular endothelial growth factor receptor (VEGFR) family. VEGFR family members are receptor tyrosine kinases (RTKs) which contain an extracellular ligand-binding region with seven immunoglobulin (Ig)-like domains, a transmembrane segment, and a tyrosine kinase (TK) domain within the cytoplasmic domain. This protein binds to VEGFR-A, VEGFR-B and placental growth factor and plays an important role in angiogenesis and vasculogenesis. Expression of this receptor is found in vascular endothelial cells, placental trophoblast cells and peripheral blood monocytes. Multiple transcript variants encoding different isoforms have been found for this gene. Isoforms include a full-length transmembrane receptor isoform and shortened, soluble isoforms. The soluble isoforms are associated with the onset of pre-eclampsia.[provided by RefSeq, May 2009]
Usage	Research use only
Conjugate	Unconjugated

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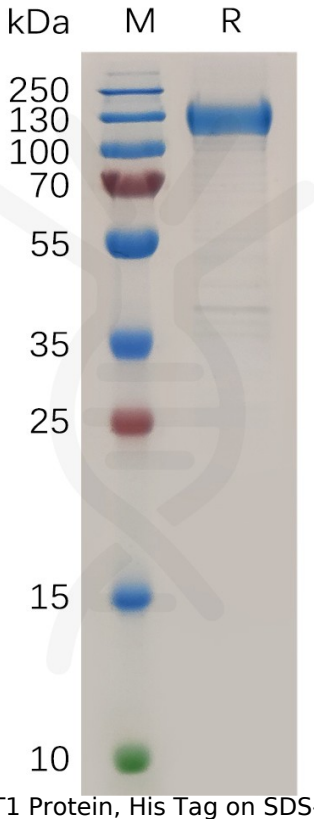


Figure 1. Human FLT1 Protein, His Tag on SDS-PAGE under reducing condition.

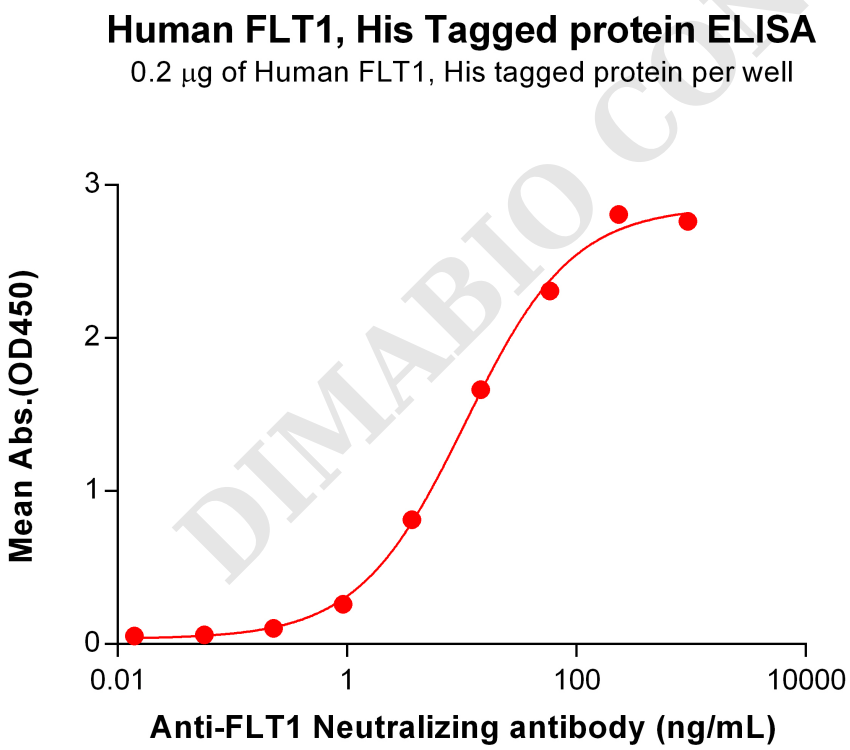


Figure 2. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human FLT1 Protein, His Tag (PME100726) can bind Anti-FLT1 Neutralizing antibody BME100131 in a linear range of 0.92–234.38 ng/mL.

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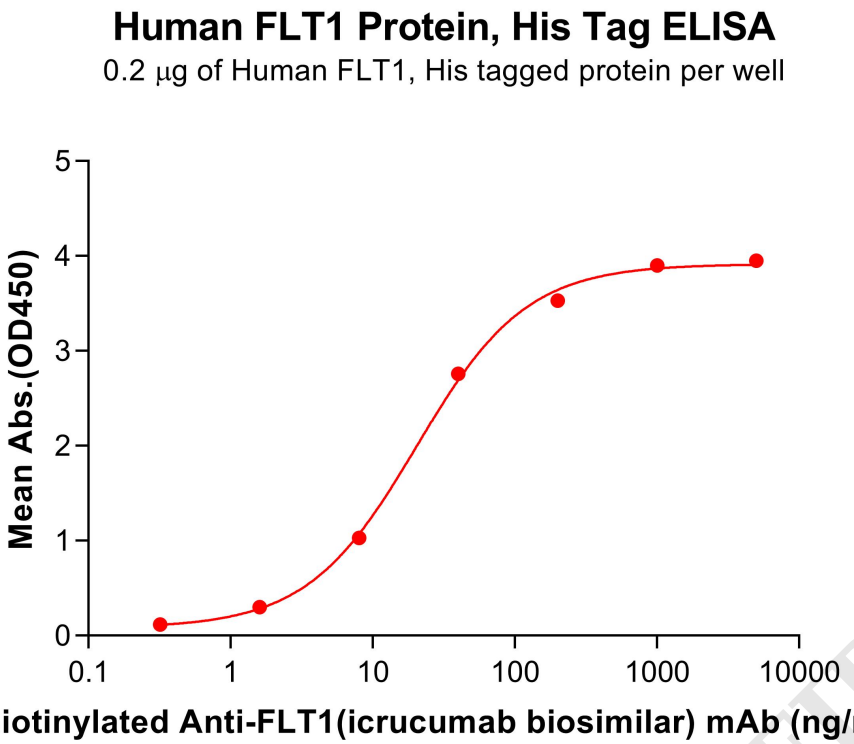


Figure 3. ELISA plate pre-coated by 2 μg/mL (100 μL/well) Human FLT1 Protein, His Tag (PME100726) can bind Biotinylated Anti-FLT1(icrucumab biosimilar) mAb (BME100131B) in a linear range of 8–40 ng/mL.

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