

Product datasheet for **AM50321PU-S**

VEGF Receptor 1 (FLT1) Mouse Monoclonal Antibody [Clone ID: FLT1/658]

Product data:

Product Type:	Primary Antibodies
Clone Name:	FLT1/658
Recommended Dilution:	ELISA: Use BSA Antibody for coating. Functional Studies: Use BSA and Azide free Antibody. Positive Control: 293FT or A431 cells. Cerebellum or skin cancer.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant Human VEGF-R1 protein.
Specificity:	Recognizes Human VEGF-R1 / FLT-1. Other species not tested. Cellular Localization: Cell surface.
Formulation:	10mM PBS State: Purified State: Liquid purified IgG fraction from Bioreactor Concentrate Stabilizer: 0.05% BSA Preservative: 0.05% Sodium Azide
Concentration:	lot specific
Purification:	Protein A/G Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	150-180 kDa
Gene Name:	fms related tyrosine kinase 1
Database Link:	Entrez Gene 2321 Human P17948



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Background:

Three cell membrane receptor tyrosine kinases, Flt-1 (also designated VEGF-R1), Flk-1 (also designated VEGF-R2) and Flt-4, putatively involved in the growth of endothelial cells, are characterized by the presence of seven immunoglobulin-like sequences in their extracellular domain. These receptors exhibit high degrees of sequence relatedness to each other as well as lesser degrees of relatedness to the class III receptors including CSF-1/Fms, PDGR, SLFR/Kit and Flt-3/Flk-2. Two members of this receptor class, Flt-1 and Flk-1, have been shown to represent high affinity receptors for vascular endothelial growth factors (VEGFs). On the basis of structural similarity to Flt-1 and Flk-1, it has been speculated that Flt-4 might represent a third receptor for either VEGF or a VEGF-related ligand.

Synonyms:

VEGFR1, FLT1, FLT, FRT, VEGF Receptor 1