

Product datasheet for **TA320332**

VEGF Receptor 1 (FLT1) Rat Monoclonal Antibody [Clone ID: 7A6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7A6
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human
Host:	Rat
Clonality:	Monoclonal
Formulation:	Aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Concentration:	lot specific
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	fms related tyrosine kinase 1
Database Link:	NP_002010 Entrez Gene 2321 Human P17948

Background: This 7A6 monoclonal antibody recognizes human VEGFR1 (vascular endothelial growth factor receptor 1, fms-like tyrosine kinase 1, FLT1). It is directed against the extracellular domain and can recognize both membrane-bound and soluble forms of VEGFR1, with approximate molecular weights of 180 kDa and 90 kDa, respectively. Mice lacking expression of VEGFR1 have disorganized vasculature and die in utero, however angiogenesis does not require the tyrosine kinase activity of VEGFR1 as expression of a membrane-bound form lacking the tyrosine kinase domain allows normal development. Although fertile and viable, mice lacking the tyrosine kinase domain of VEGFR1 do have a defect in the migration of macrophages. The soluble form of VEGFR1 can be detected in the serum of normal patients, and elevated levels of soluble VEGFR1 in pregnant women is associated with preeclampsia. Several tumor cell lines have been reported to express membrane-bound VEGFR1, including malignancies of hematopoietic origin.

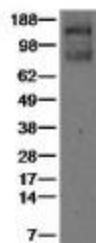


[View online »](#)

Synonyms: FLT; FLT-1; VEGFR-1; VEGFR1

Protein Families: Druggable Genome, Protein Kinase, Secreted Protein

Protein Pathways: Cytokine-cytokine receptor interaction, Endocytosis, Focal adhesion

Product images:

Immunoblot analysis of non-boiled NP-40 lysates from Human Umbilical Vein Endothelial Cells (HUVEC) run on SDS-PAGE under non-reducing conditions. The membrane was probed with 2 ug/ml of Anti-Human VEGF Receptor 1 (Flt1) Purified followed by Anti-Rat IgG HRP.