

Product datasheet for **AM20682PU-N**

VEGF Receptor 1 (FLT1) Mouse Monoclonal Antibody [Clone ID: V12]

Product data:

Product Type:	Primary Antibodies
Clone Name:	V12
Applications:	IF, IHC, WB
Recommended Dilution:	Western Blot: 1 - 2 µg/ml. Immunohistochemistry on frozen sections: 2 - 4 µg/ml. Immunocytochemistry.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human VEGF-1 receptor
Specificity:	This antibody reacts to VEGFR-1.
Formulation:	1.2 % sodium acetate, with 2 mg BSA and 0.01 mg sodium azide as preservative State: Purified State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1.2% sodium acetate or neutral PBS
Concentration:	0,1 mg/ml (after reconstitution with PBS)
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at -20°C. Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	fms related tyrosine kinase 1
Database Link:	Entrez Gene 2321 Human P17948



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Background:	VEGFR1, also known as FMS-related tyrosine kinase 1(FLT1). Oncogene FLT belongs to the src gene family and is related to oncogene ROS . Like other members of this family, it shows tyrosine protein kinase activity that is important for the control of cell proliferation and differentiation. FLT is mapped to 13q12. VEGF receptor 1 signaling is essential for osteoclast development and bone marrow formation in colony-stimulating factor 1-deficient mice.
Synonyms:	VEGFR1, FLT1, FLT, FRT, VEGF Receptor 1
Protein Families:	Druggable Genome, Protein Kinase, Secreted Protein
Protein Pathways:	Cytokine-cytokine receptor interaction, Endocytosis, Focal adhesion