

## Product datasheet for **AM33420PU-N**

### FLT4 Rat Monoclonal Antibody [Clone ID: 5F63]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	5F63
Applications:	IHC, WB
Recommended Dilution:	<b>Western Blot:</b> 1/400-1/800. <b>Immunohistochemistry on Paraffin Sections:</b> 1/100-1/500.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2
Clonality:	Monoclonal
Immunogen:	This antibody was produced from a hybridoma (Mouse myeloma fused with spleen cells from a Rat) immunized with purified Mouse VEGFR3 extracellular domain.
Specificity:	This Monoclonal antibody recognizes Mouse VEGFR3 in Western blot. No cross reactivity to Mouse VEGFR1 and VEGFR2.
Formulation:	Lyophilized from PBS State: Purified State: Lyophilized purified IgG fraction of the Culture Supernatant Stabilizer: None Preservative: None
Reconstitution Method:	Restore with 500 µl of sterile water to a concentration of 0.2 mg/ml
Purification:	Affinity Chromatography on Protein G
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store at 2-8°C for one month or at -20°C for longer. 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 4
Database Link:	<a href="#">P35916</a>



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**Background:**

Receptor tyrosine kinase VEGFR-3, also known as Flt-4, together with VEGFR-1 (Flt-1) and VEGFR-2 (KDR/Flk-1), are the receptors for vascular endothelial growth factors (VEGF). The VEGFR family belongs to the class II subfamily of receptor tyrosine kinases (RTKs), containing a large extracellular region which is composed of seven Ig-like domains (D1–D7), a single transmembrane (TM) helix and cytoplasmic region with a tyrosine kinase activity. In VEGFR-3, the fifth Ig homology domain is proteolytically cleaved which results in polypeptides remaining linked by two disulfide bonds. VEGFR-3 is widely expressed on all endothelial cells in early embryogenesis, while, in adult tissues, VEGFR-3 expression disappears from the vascular endothelial cells and is observed only on the lymphatic endothelium. VEGF-C and VEGF-D activation of VEGFR-3 plays an important role in the formation of the lymphatic vessel system.

**Synonyms:**

VEGFR3, FLT4, VEGF Receptor 3