

Product datasheet for **AM20378PU-N**

Flt4 Rat Monoclonal Antibody [Clone ID: 7A3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	7A3
Applications:	IF, WB
Recommended Dilution:	Western Blot: 1-5 µg/ml. Immunofluorescence: 2-10 µg/ml.
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified, insect cell-derived recombinant Mouse soluble FLT-4 (120 kDa).
Specificity:	This antibody will detect Mouse VEGFR-3/FLT-4 in Western Blot in PAEC/FLT-4 cells.
Formulation:	PBS pH 7.4 without preservatives State: Purified State: Lyophilized purified IgG fraction Stabilizer: None
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml
Purification:	Protein G Chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	FMS-like tyrosine kinase 4
Database Link:	Entrez Gene 14257 Mouse P35917



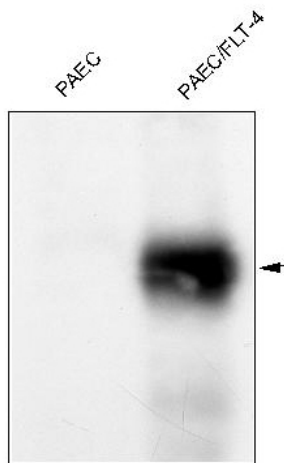
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Background:

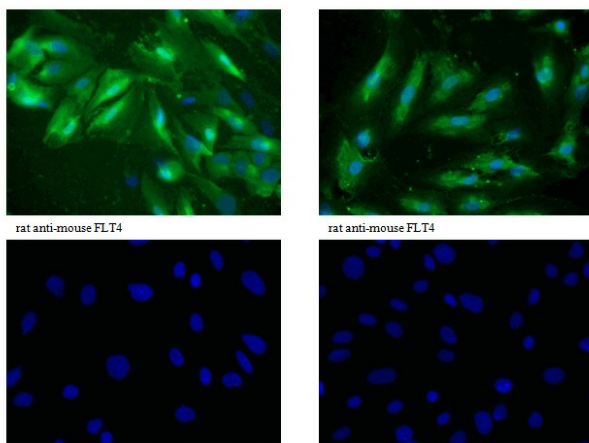
Mature native mouse VEGF Receptor 3 (Flt4) is composed of a 751 amino acid residue extracellular domain, a 22 amino acid residue transmembrane domain, and a 565 amino acid residue cytoplasmic domain. Recombinant mature mouse VEGF Receptor 3/Fc is a disulfidelinked dimeric protein. Based on N-terminal sequencing, recombinant mouse VEGF Receptor 3/Fc has Met 17 at the amino-terminus. The amino acid sequence of mouse VEGF Receptor 3 is 88 % identical to human VEGF Receptor 3. VEGF Receptor 3 is a specific marker for lymphatic vessels. In adults, VEGF Receptor 3 expression is restricted to endothelial cells of the lymphatic vessels. It has also been detected on some high endothelial venules, in embryonic prelymphatic blood vessels, in some tumor blood vessels, and in certain hematopoietic and leukemia cells. The predominant role of VEGF Receptor 3 is its involvement in the development of the lymphatic vessel system. Both VEGFC and VEGFD bind and activate the receptors, VEGF Receptor 3 and VEGF Receptor 2.

Synonyms:

VEGFR3, FLT4, VEGF Receptor 3

Product images:

Western analysis with anti-Mouse VEGFR-3/FLT-4 antibody [DM3505P] at 5 ug/ml (Lysate of 2x10e6 cells).



Immunofluorescence staining of VEGFR-3/FLT4 in Mouse primary endothelial cells (SnoMec) with monoclonal Rat anti-Mouse VEGFR-3/FLT4 #7A3 (upper panel). Control with goat anti-rat ALEXA Fluor 488 (lower panel).