



## Product Information Sheet

### **Monoclonal Anti-PVascular Endothelial Growth Factor Receptor-1, VEGFR1 (Sephacose Bead Conjugate)**

**Catalogue No.** MA1101-S

**Immunogen**

Recombinant human VEGF-1 receptor.

**Lot No.** 08A12

**Purification**

**Clone:** V12

Purified by the goat anti-mouse IgG affinity chromatography.

**Ig type:** mouse IgG1

**Formulation**

50% slurry in PBS pH 7.2 with 0.01mg NaN<sub>3</sub> preservative.

**Size:** 200µl

**Storage**

Store at 4°C for frequent use.

**Specificity**

Human.

No cross reactivity with other proteins.

**Description:**

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

**Recommended application**

*Immunoprecipitation(IP)*

#### **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.

#### **REFERENCE**

1. Imbert, A.; Rosnet, O.; Marchetto, S.; Ollendorff, V.; Birnbaum, D.; Pebusque, M.-J. : Characterization of a yeast artificial chromosome from human chromosome band 13q12 containing the FLT1 and FLT3 receptor-type tyrosine kinase genes. *Cytogenet. Cell Genet.* 67: 175-177, 1994. 2. Niida, S.; Kondo, T.; Hiratsuka, S.; Hayashi, S.-I.; Amizuka, N.; Noda, T.; Ikeda, K.; Shibuya, M. : VEGF receptor 1 signaling is essential for osteoclast development and bone marrow formation in colony-stimulating factor 1-deficient mice. *Proc. Nat. Acad. Sci.* 102: 14016-14021, 2005.

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