



Product Information Sheet

Monoclonal Anti-PVascular Endothelial Growth Factor Receptor-1, *VEGFR1* (Magnetic Bead conjugate)

Catalogue No. MA1101-M

Immunogen

Recombinant human VEGF-1 receptor.

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: V12

Ig type: mouse IgG1

Formulation

Each vial contains 1mg/ml Magnetic Bead in PBS, pH 7.2, 0.05mg NaN₃.

Size: 200µl

Specificity

Human.

No cross reactivity with other proteins.

Storage

Store at 4°C for frequent use.

Recommended application

Immunoprecipitation(IP)

Description

This Antagene antibody is immobilized by the covalent reaction of hydrazinonicotinamide-modified antibody with formylbenzamide-modified beads. It is useful for immunoprecipitation.

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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