



Product Information Sheet

Monoclonal Anti-Vascular Endothelial Growth Factor Receptor 2, VEGFR2 (Sephacrose Bead Conjugate)

Catalogue No. MA1040-S

Immunogen

Recombinant human extracellular domain of VEGFR-2 (KDR).

Lot No. 08A12

Purification

Purified by the goat anti-mouse IgG affinity chromatography.

Clone: FLK-6

Ig type: mouse IgG1

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN₃ 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

VEGF, a homodimeric glycoprotein of relative molecular mass 45,000, is the only mitogen that specifically acts on endothelial cells. The importance of VEGF and its receptor system in tumor growth and intervention in this system may provide promising approaches to cancer therapy. VEGF receptor 2 is a member of a receptor tyrosine kinase family. Like other growth factor receptors, upon ligand binding VEGF receptor 2 dimerises and is autophosphorylated on multiple tyrosine residues.

REFERENCE

1. Folkman, J. : Angiogenesis in cancer, vascular, rheumatoid and other disease. *Nature Med.* 1: 27-31, 1995.
2. Millauer, B.; Shawver, L. K.; Plate, K. H.; Risau, W.; Ullrich, A. : Glioblastoma growth inhibited in vivo by a dominant-negative Flk-1 mutant. *Nature* 367: 576-579, 1994.

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