



ANTI-VEGF RECEPTOR-2, clone 4H3-B6H9 RAT MONOCLONAL ANTIBODY

CERTIFICATE OF ANALYSIS

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| CATALOG NUMBER: | MAB1147 | QUANTITY: | 100 µg |
| LOT NUMBER: | | CONCENTRATION: | 1 mg/mL |
| ALTERNATE NAMES: | VEGFR-2, Flk-1;nyk;KDR | EPITOPE: | Extracellular domain of mouse VEGFR-2 |
| CLONE NAME: | 4H3-B6H9 | HOST/ISOTYPE: | Rt IgG2b |
| BACKGROUND: | Vascular Endothelial Growth Factor Receptor 2 (VEGFR-2, also known as KDR/FLK-1) is a ~180 kDa member of a receptor tyrosine kinase family whose activation plays an essential role in a large number of biological processes such as embryonic development, wound healing, cell proliferation, migration, and differentiation. Like other growth factor receptors, VEGFR2 forms a dimer upon ligand binding and is autophosphorylated on multiple tyrosine residues. These sites can be involved in the regulation of kinase activity or serve as binding sites for SH2- and phosphotyrosine binding domain containing signaling proteins. | | |
| SPECIFICITY: | Clone recognizes Vascular Endothelial Growth Factor Receptor-2. The clone is also known to be an activating monoclonal for the VEGFR-2. {Stacker, SA et al 1999}. | | |
| IMMUNOGEN: | The extracellular domain of mouse VEGFR-2 (Flk-1). | | |
| APPLICATIONS: | Western blot: membrane preparations, 1-5 µg/mL FACS: 10 µg/mL Immunoprecipitation: 10 µg/mL , prepared membrane preparations. ELISA: 1:100-1:1000 | | |
| SPECIES REACTIVITY: | Mouse, other species not tested. | | |
| PRESENTATION: | Liquid in PBS and 0.05% Bronidox as a preservative. | | |
| STORAGE/HANDLING: | Store at 2-8°C protected from light and temperature fluctuations up to 12 months from date of receipt. | | |
| REFERENCES: | Stacker, A et al (1993). "A Mutant Form of Vascular Endothelial Growth Factor (VEGF) That Lacks VEGF Receptor-2 Activation Retains the Ability to Induce Vascular Permeability." J. Biol. Chem 274(49):34884-34892. | | |

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

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