

VEGFR2 Antibody [clone KDR-1] (R30035)

| Catalog No. | Formulation | Size |
|-------------|--|--------|
| R30035 | 0.5mg/ml with 1% BSA and 0.01% sodium azide if reconstituted with 0.2ml sterile 1X PBS | 100 ug |

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| | |
|--------------------|--|
| Availability | 1-3 business days |
| Species Reactivity | Human |
| Format | Ascites |
| Clonality | Monoclonal (mouse origin) |
| Isotype | Mouse IgG1 |
| Clone Name | KDR-1 |
| Purity | Unpurified ascites |
| Gene ID | 3791 |
| Localization | Cytoplasmic and cell surface |
| Applications | IHC (Frozen) : 1-2ug/ml; formalin or acetone fixed tissues |
| Limitations | This VEGFR2 antibody is available for research use only. |



Description

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.

Application Notes

The stated application concentrations are suggested starting points. Titration of the VEGFR2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Recombinant human extracellular domain of VEGFR-2(KDR) was used as the immunogen for this VEGFR2 antibody.

Storage

After reconstitution, the VEGFR2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.