anti-VEGFR1 (Flt-1)

Cat #: HM1393
Rabbit polyclonal IgG
0.2 μg/μl, store at 4 °C

For research use only

BACKGROUND
VEGF receptor 1 (Flt-1) is a 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. This family of receptor tyrosine kinases are characterized by the presence of seven immunoglobulin-like sequences in their extracellular domain. These receptors exhibit high degrees of sequence relatedness to each other as well as lesser degrees of relatedness to the class III receptors including CSF-1/Fms, PDGR, SLFR/Kit and Flt-3/Flk-2. VEGFR 1 has a high affinity receptor for vascular endothelial growth factor and is putatively involved in the growth of endothelial cells and angiogenesis.

SPECIFICITY
This antibody reacts specifically with Flt-1 (VEGF-R1) of mouse, rat and human origin by Western blotting, immunoprecipitation and immunohistochemistry; non crossreactive with Flk-1, Flt-4 or other receptor tyrosine kinases.

Molecular Weight of Flt-1: 180 kDa.

IMMUNOGEN
A peptide at the carboxy terminus of human Flt-1.

STORAGE
This antibody is stable for 12 months when stored at 2-8°C.

REFERENCES
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