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**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 receptor tyrosine kinases are characterized by the presence of seven immunoglobulin-like sequences in their extracellular domain. These receptors exhibit high degrees of 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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