

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human VEGF R1/Flt-1 in direct ELISAs and Western blots. In Western blots, this antibody does not cross-react with recombinant mouse VEGF R1, recombinant human (rh) VEGF R2, rhVEGF R3, or rhVEGF R4.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 49560
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human VEGF R1/Flt-1 Ser27-His687 Accession # NP_001153392
<b>Conjugate</b>	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

## APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	HUVEC human umbilical vein endothelial cells

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## BACKGROUND

Vascular Endothelial Growth Factor Receptor 1 (VEGF R1) is a receptor tyrosine kinase that is expressed primarily on endothelial cells and plays a role in vasculogenesis and angiogenesis. A soluble variant of VEGF R1 was also reported to bind VEGF and PlGF with high affinity and function as a potent VEGF antagonist.

## PRODUCT SPECIFIC NOTICES

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