

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human VEGFR1/Flt-1 in direct ELISAs and Western blots. In Western blots, this antibody does not cross-react with recombinant mouse VEGFR1, recombinant human (rh) VEGFR2, rhVEGFR3, or rhVEGFR4.
<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 VEGFR1/Flt-1 Ser27-His687 Accession # NP_001153392
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

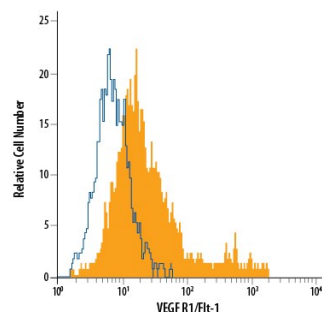
## APPLICATIONS

**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>Western Blot</b>	1 µg/mL	Recombinant Human VEGFR1/Flt-1 Fc Chimera (Catalog # <a href="#">321-FL</a> ) under non-reducing conditions only
<b>Flow Cytometry</b>	2.5 µg/10 <sup>6</sup> cells	See Below
<b>CytoF-ready</b>	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

## DATA

### Flow Cytometry



**Detection of VEGFR1/Flt-1 in HUVEC Human Cells by Flow Cytometry.** HUVEC human umbilical vein endothelial cells was stained with Mouse Anti-Human VEGFR1/Flt-1 Monoclonal Antibody (Catalog # MAB321, filled histogram) or isotype control antibody (Catalog # [MAB002](#), open histogram), followed by Phycoerythrin-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # [F0102B](#)).

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> <li>• 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>• 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>• 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

## BACKGROUND

Vascular Endothelial Growth Factor Receptor 1 (VEGFR1) is a receptor tyrosine kinase that is expressed primarily on endothelial cells and plays a role in vasculogenesis and angiogenesis. A soluble variant of VEGFR1 was also reported to bind VEGF and PlGF with high affinity and function as a potent VEGF antagonist.