

DESCRIPTION

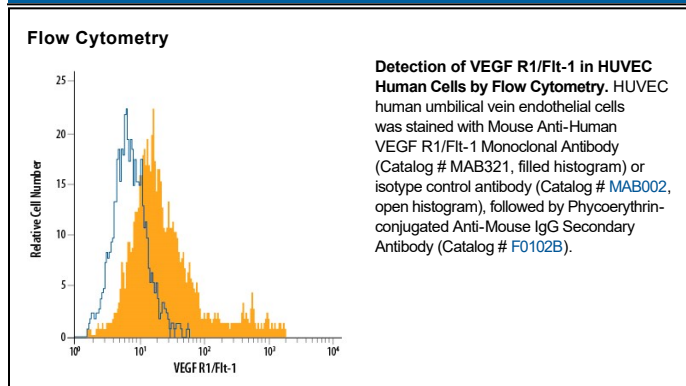
Species Reactivity	Human
Specificity	Detects human VEGF R1/Flt-1 in direct ELISAs and Western blots. In Western blots, this antibody does not cross-react with recombinant mouse VEGF R1, recombinant human (rh) VEGF R2, rhVEGF R3, or rhVEGF R4.
Source	Monoclonal Mouse IgG ₁ Clone # 49560
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human VEGF R1/Flt-1 Ser27-His687 Accession # NP_001153392
Formulation	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.

	Recommended Concentration	Sample
Western Blot	1 µg/mL	Recombinant Human VEGF R1/Flt-1 Fc Chimera (Catalog # 321-FL) under non-reducing conditions only
Flow Cytometry	2.5 µg/10 ⁶ cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA



PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	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
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.