

Human Phospho-VEGF R1/Flt-1 (Y1213) Antibody

Antigen Affinity-purified Polyclonal Rabbit IgG Catalog Number: AF4170

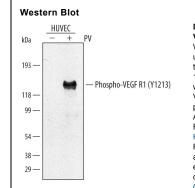
DESCRIPTION		
Species Reactivity	Human	
Specificity	Detects human VEGF R1/Flt-1 when phosphorylated at Y1213.	
Source	Polyclonal Rabbit IgG	
Purification	Antigen Affinity-purified	
Immunogen	Phosphopeptide containing human VEGF R1/Flt-1 Y1213 site	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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	See Below
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DATA



Detection of Human Phospho-VEGF R1/Fit-1 (Y1213) by Western Blot. Western blot shows lysates of HUVEC human umbilical vein endothelial cell untreated (-) or treated (+) with 100 µM pervanadate (PV) for 10 minutes. PVDF membrane was probed with 1 µg/mL of Rabbit Anti-Human Phospho-VEGF R1/Flt-1 (Y1213) Antigen Affinitypurified Polyclonal Antibody (Catalog # AF4170), followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # HAF008). A specific band was detected for Phospho-VEGF R1/Flt-1 (Y 1 2 1 3) at approximately 180 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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.

- 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.

BACKGROUNI

VEGF R1, also known as Flt-1, is a receptor tyrosine kinase that contains seven lg-like repeats in its extracellular domain, a single transmembrane region, and a kinase domain in the intracellular region. Ligand binding induces autophosphorylation on multiple intracellular tyrosine residues. Y1213 is a major binding site for PI3K, Nck, and SHP-2.

