

Human Phospho-VEGFR1/Flt-1 (Y1213) Antibody

Antigen Affinity-purified Polyclonal Rabbit IgG Catalog Number: AF4170

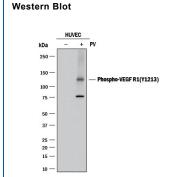
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human VEGFR1/Flt-1 when phosphorylated at Y1213.
Source	Polyclonal Rabbit IgG
Purification	Antigen Affinity-purified
Immunogen	Phosphopeptide containing human VEGFR1/Flt-1 Y1213 site
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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	0.1 μg/mL	See Below

DATA



Detection of Human Phospho-VEGRR1/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 0.1 µg/mL of Rabbit Anti-Human Phospho-VEGFR1/FIt-1 (Y1213) Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4170), followed by HRP-conjugated Anti-Rabbit IgG Secondary Antibody (Catalog # Catalog # HAF008). A specific band was detected for Phospho-VEGFR1/FIt-1 (Y1213) at approximately 130-140 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION	AND:	STO	RAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS.

ShippingThe 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

- 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

VEGFR1, also known as Flt-1, is a receptor tyrosine kinase that contains seven Ig-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.

Rev. 2/2/2021 Page 1 of 1

