

PE-04AFM99-P

VEGFR1 (1045-1051) pY1048 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on VEGFR1 (Flt1)



KINEXUS

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Target Protein

Name Long:	Vascular endothelial growth factor receptor 1
Name Alias:	FLT; Flt-1; Fms-like tyrosine kinase 1; Fms-related tyrosine kinase 1; FRT; Tyrosine-protein kinase FRT; Tyrosine-protein kinase receptor FLT; VGFR1; CCDS9330.1; ENSG00000102755
Species Origin:	Human
UniProt ID:	P17948

Peptide Structure

Peptide Name:	VEGFR1 (1045-1051) pY1048
Peptide Origin:	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
Peptide Sequence Location:	R1045-P1051
Peptide Sequence:	RDI(pY)KNP(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1159.19
Observed Peptide Mass:	1158.1
% Peptide Purity:	99.1
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	KMP04CAV-05
Amount:	1 mg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 1 year at -20°C

Applications

Product Use:	Serves as a blocking peptide for use with the VEGFR1-pY1048 rabbit polyclonal antibody (Cat. No.: PK850) that is also available from Kinexus. This phosphopeptide may also be useful as a substrate for screening the phosphatase activity of protein phosphatases.
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This product is for in vitro research use only and is not intended for use in humans or animals.

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