

PE-04AMB95-P

EPHB4 (593-599) pY596 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on EphB4



KINEXUS

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Target Protein

Name Long:	Ephrin type-B receptor 4 protein-tyrosine kinase
Name Alias:	EPB4; EPH receptor B4; HTK; Mdk2; MYK1; Tyro11; Tyrosine-protein kinase receptor HTK
Species Origin:	Human
UniProt ID:	P54760

Peptide Structure

Peptide Name:	EPHB4 (593-599) pY596
Peptide Origin:	In the EphA2_TM region between the transmembrane and kinase catalytic domains. This is the major in vivo phosphorylation sites for EphB3.
Peptide Sequence Location:	P593-P599
Peptide Sequence:	PFT(pY)EDP(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:	1121.1
Observed Peptide Mass:	1120.3
% Peptide Purity:	94.8
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:	KMP04CAX-14
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 EphB4-pY596 rabbit polyclonal antibody (Cat. No.: PK612) 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.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-866-KINASES (546-2737)