

PE-04AIR99-S

BLK (185-191) pY188 Peptide Solution

9-mer immunogen and phosphatase substrate phosphopeptide based on BLK



KINEXUS

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Target Protein

Name Long:	B lymphoid tyrosine kinase
Name Alias:	P55-BLK
Species Origin:	Human
UniProt ID:	P51451

Peptide Structure

Peptide Name:	BLK (185-191) pY188
Peptide Origin:	In the SH2 domain. One of the two major in vivo phosphorylation sites in BLK.
Peptide Sequence Location:	G185-P191
Peptide Sequence:	GGY(pY)ISP(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:	1009.0
Observed Peptide Mass:	1009.2
% Peptide Purity:	99.6
Peptide Appearance:	Clear liquid
Peptide Form:	Solution
Peptide Solubility:	Supplied at 1 mg/ml concentration in 5% DMSO in water
Lot Number:	KMP04CAW-34
Amount:	250 µg
Storage Conditions:	Frozen at -20°C
Storage Stability:	Over 6 months at -20°C and 1 mg/ml concentration

Applications

Product Use:	Serves as a blocking peptide for use with the BLK-pY188 rabbit polyclonal antibody (Cat. No.: PK542) 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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