

PE-04AIR99-P

BLK (185-191) pY188 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on BLK



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

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

Peptide Structure

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|-------------------------------------|--|
| 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

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| Peptide Production Method: | Solid-phase peptide synthesis |
| Calculated Peptide Mass: | 1009.0 |
| Observed Peptide Mass: | 1009.2 |
| % Peptide Purity: | 99.6 |
| 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: | KMP04CAW-34 |
| Amount: | 1 mg |
| Storage Conditions: | Frozen at -20°C |
| Storage Stability: | Over 1 year at -20°C |

Applications

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|---------------------|---|
| 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.

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