

PE-04ACL90-P

BTK (220-226) pY223+pY225 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on Btk



KINEXUS

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Target Protein

Name Long:	Bruton's agammaglobulinemia tyrosine kinase
Name Alias:	Agammaglobulinaemia tyrosine kinase; AGMX1; ATK; B cell progenitor kinase; BPK; Bruton agammaglobulinemia tyrosine kinase; EMB; IMD1; XLA; AT; ATK; BPK; XLA; IMD1; AGMX1; PSCTK1; MGC126261; MGC126262; RP1-164F3_2; XLA; ENSG00000010671
Species Origin:	Human
UniProt ID:	Q06187

Peptide Structure

Peptide Name:	BTK (220-226) pY223+pY225
Peptide Origin:	In the SH3_1 domain
Peptide Sequence Location:	V220-M226
Peptide Sequence:	VAL(pY)D(pY)M(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:	1208.2
Observed Peptide Mass:	1207.3
% Peptide Purity:	88.6
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:	KMP04CAT-09
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 Btk-pY223+pY225 rabbit polyclonal antibody (Cat. No.: PK550) 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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