

PE-04ALM99-P

ZAP70 (316-322) pY319 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on ZAP70



KINEXUS

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

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

Target Protein

Name Long:	Zeta-chain (TCR) associated protein-tyrosine kinase, 70 kDa
Name Alias:	SRK; Syk-related tyrosine kinase; ZA70; ZAP-70
Species Origin:	Human
UniProt ID:	P43403

Peptide Structure

Peptide Name:	ZAP70 (316-322) pY319
Peptide Origin:	In the region between the SH2 and kinase catalytic domains. One of the major in vivo sites of phosphorylation in ZAP70.
Peptide Sequence Location:	E316-P322
Peptide Sequence:	ESP(pY)SDP(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:	1048.0
Observed Peptide Mass:	1045.9
% Peptide Purity:	99.41
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-107
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 ZAP70-pY319 rabbit polyclonal antibody (Cat. No.: PK862) 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)