

# PE-04AAT95-P

## MARK1 (212-218) pT215 Peptide Powder

8-mer immunogen and phosphatase substrate phosphopeptide based on MARK1



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	MAP/microtubule affinity-regulating protein-serine kinase 1
<b>Name Alias:</b>	KIAA1477; MAP/microtubule affinity-regulating kinase 1; MARK
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q9P0L2

### Peptide Structure

<b>Peptide Name:</b>	MARK1 (212-218) pT215
<b>Peptide Origin:</b>	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII. This is the major in vivo phosphorylation site in MARK1.
<b>Peptide Sequence Location:</b>	K212-G218
<b>Peptide Sequence:</b>	NKLD(pT)F(bA)C
<b>Peptide N-Terminus:</b>	Free amino
<b>Peptide C-Terminus:</b>	Amide
<b>Peptide Modifications Other:</b>	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

### Production

<b>Peptide Production Method:</b>	Solid-phase peptide synthesis
<b>Calculated Peptide Mass:</b>	1032
<b>Observed Peptide Mass:</b>	1031.2
<b>% Peptide Purity:</b>	95
<b>Peptide Appearance:</b>	White powder
<b>Peptide Form:</b>	Solid
<b>Peptide Solubility:</b>	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
<b>Lot Number:</b>	KMP04CAN-05
<b>Amount:</b>	1 mg
<b>Storage Conditions:</b>	Frozen at -20°C
<b>Storage Stability:</b>	Over 1 year at -20°C

### Applications

<b>Product Use:</b>	Serves as a blocking peptide for use with the MARK1-pT215 rabbit polyclonal antibody (Cat. No.: PK694) 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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