

# PE-04ARM95-P

## KIT (818-827) pS821+pY823 Peptide Powder

12-mer immunogen and phosphatase substrate phosphopeptide based on Kit



**KINEXUS**

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### Target Protein

<b>Name Long:</b>	Mast/stem cell growth factor receptor protein-tyrosine Kit
<b>Name Alias:</b>	CD117; C-kit; Kinase Kit; Mast/stem cell growth factor receptor precursor; PBT; SCFR; SL; V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene; V-kit Hardy-Zuckerman 4 feline sarcoma viral oncogene homologue; ENSG00000157404
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	P10721

### Peptide Structure

<b>Peptide Name:</b>	KIT (818-827) pS821+pY823
<b>Peptide Origin:</b>	In protein kinase catalytic domain activation T-loop between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	K818-G827
<b>Peptide Sequence:</b>	KND(pS)N(pY)VVKG(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>	1498.5
<b>Observed Peptide Mass:</b>	1498.6
<b>% Peptide Purity:</b>	94
<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>	KLP04CAC-22
<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 Kit -S821+Y823 rabbit polyclonal antibody (Cat. No.: PK674) 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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