

# PE-04AOB85-P

## MLK3 (278-284) pS281 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on MLK3 (MAP3K11)



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Mixed-lineage protein-serine kinase 3; Mitogen-activated protein kinase kinase kinase 11
<b>Name Alias:</b>	Kinase MLK3; M3K11; MAP3K11; MAPKKK11; MEKK11; Mitogen activated protein kinase kinase kinase 11; Mixed lineage kinase 3; MLK-3; SPRK; MGC17114; CCDS8107.1; ENSG00000173327
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q16584

### Peptide Structure

<b>Peptide Name:</b>	MLK3 (278-284) pS281
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	T278-G284
<b>Peptide Sequence:</b>	TQM(pS)AAG(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>	917.9
<b>Observed Peptide Mass:</b>	918.8
<b>% Peptide Purity:</b>	87.05
<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>	KMP04CAX-65
<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 MLK3-pS281 rabbit polyclonal antibody (Cat. No.: PK718) 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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