

# PE-01BDX99, PE-01BDY95-P

## MLK1 (1086-1104) Peptide Powder

20-mer immunogen peptide based on MLK1 (MAP3K9)



# KINEXUS

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### Target Protein

|                        |  |
|------------------------|--|
| <b>Name Long:</b>      | Mixed-lineage protein-serine kinase 1; Mitogen-activated protein kinase kinase 9 |
| <b>Name Alias:</b>     | M3K9; MAPKKK9; MAP3K9; MLK-1; PRKE1; ENSG00000006432                             |
| <b>Species Origin:</b> | Human  |
| <b>UniProt ID:</b>     | P80192   |

### Peptide Structure

|                                     |                      |
|-------------------------------------|----------------------|
| <b>Peptide Name:</b>                | MLK1 (1086-1104)     |
| <b>Peptide Origin:</b>              | C-terminus           |
| <b>Peptide Sequence Location:</b>   | A1086-S1104          |
| <b>Peptide Sequence:</b>            | CAELNTHRPAPYEIQQEFWS |
| <b>Peptide N-Terminus:</b>          | Free amino           |
| <b>Peptide C-Terminus:</b>          | Acid/Amide           |
| <b>Peptide Modifications Other:</b> | None                 |

### Production

|                                   |   |
|-----------------------------------|---|
| <b>Peptide Production Method:</b> | Solid-phase peptide synthesis   |
| <b>Calculated Peptide Mass:</b>   | 2419.6/2418.6   |
| <b>Observed Peptide Mass:</b>     | 2417.3/2418.2   |
| <b>% Peptide Purity:</b>          | 98.7/93.5   |
| <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>                | KMP01CAT-51A/51B  |
| <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 MLK1-CT rabbit polyclonal antibody (Cat. No.: NK278-1) that is also available from Kinexus. |
|---------------------|---|

This product is for in vitro research use only and is not intended for use in humans or animals.

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