

# PE-04ANA99-P

## IRAK4 (342-349) pT345+pS346 Peptide Powder

10-mer immunogen and phosphatase substrate phosphopeptide based on IRAK4



# KINEXUS

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### Target Protein

<b>Name Long:</b>	Interleukin 1 receptor-associated kinase 4
<b>Name Alias:</b>	Interleukin-1 receptor associated kinase 4; IPD1, REN64, NY-REN-64; IRAK-4
<b>Species Origin:</b>	Human
<b>UniProt ID:</b>	Q9NWZ3

### Peptide Structure

<b>Peptide Name:</b>	IRAK4 (342-349) pT345+pS346
<b>Peptide Origin:</b>	In the protein kinase catalytic domain activation T loop region between subdomains VII and VIII.
<b>Peptide Sequence Location:</b>	T342-V349
<b>Peptide Sequence:</b>	TVM(pT)(pS)RIV(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>	1240.27
<b>Observed Peptide Mass:</b>	1240.8
<b>% Peptide Purity:</b>	100.0
<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-38
<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 IRAK4-pT345+pS346 rabbit polyclonal antibody (Cat. No.: PK665) 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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