

PE-04ADO95-P

STAT3 (702-708) pY705+pT708 Peptide Powder

9-mer immunogen and phosphatase substrate phosphopeptide based on STAT3



KINEXUS

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Target Protein

Name Long:	Signal transducer and activator of transcription 3
Name Alias:	Acute-phase response factor; APRF
Species Origin:	Human
UniProt ID:	P40763

Peptide Structure

Peptide Name:	STAT3 (702-708) pY705+pT708
Peptide Origin:	In the C-terminus of the transcription factor. Y705 is the major in vivo phosphorylation site in STAT3.
Peptide Sequence Location:	A702-T708
Peptide Sequence:	AAP(pY)LK(pT)(bA)C
Peptide N-Terminus:	Free amino
Peptide C-Terminus:	Amide
Peptide Modifications Other:	Phosphorylated; Includes beta-alanine-cysteine at C-terminus for coupling to KLH or thio-agarose

Production

Peptide Production Method:	Solid-phase peptide synthesis
Calculated Peptide Mass:	1097.1
Observed Peptide Mass:	1095.9
% Peptide Purity:	92.6
Peptide Appearance:	White powder
Peptide Form:	Solid
Peptide Solubility:	Dissolve in 50 µl DMSO and dilute to desired concentration with water or aqueous buffer
Lot Number:	KMP04CAT-40
Amount:	1 mg
Storage Conditions:	Frozen at -20 °C
Storage Stability:	Over 1 year at -20 °C

Applications

Product Use:	Serves as a blocking peptide for use with the STAT3-pY705+pT708 rabbit polyclonal antibody (Cat. No.: PN539) 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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