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Datasheet for 100-4165P

NFKB p65 (Rel A) Peptide

Overview

Description:	NFkB p65 (Rel A) Peptide - 100-4165P
Item No.:	100-4165P
Size:	50 µg
Origin:	Human

Product Details

Background:	NFKB p65 which is a component of NFKB. NFKB was originally identified as a factor that binds to the immunoglobulin kappa light chain enhancer in B cells. It was subsequently found in non-B cells in an inactive cytoplasmic form consisting of NFkappaB bound to IkappaB. NFkappaB was originally identified as a heterodimeric DNA binding protein complex consisting of p65 (RelA) and p50 (NFKB1) subunits. Other identified subunits include p52 (NFKB2), c-Rel, and RelB. The p65, cRel, and RelB subunits are responsible for transactivation. The p50 and p52 subunits possess DNA binding activity but limited ability to transactivate. p52 has been reported to form transcriptionally active heterodimers with the NFkappaB subunit p65, similar to p50/p65 heterodimers. The heterodimers of p52/p65 and p50/p65 are regulated by physical inactivation in the cytoplasm by IkappaB alpha. IkappaB alpha binds to the p65 subunit, preventing nuclear localization and DNA binding. Low levels of p52 and p50 homodimers can also exist in cells.
Synonyms:	NFKB p65 peptide, Rel A peptide, Transcription factor p65, control peptide, blocking peptide
Species of Origin:	Human
Type:	Peptide

Target Details

Gene Name:	RELA
Purity/Specificity:	Greater than 95% specific peptide

Application Details

Application Note:	Intended for use as a control peptide when used with anti-NFkB p65 (Rel A) to block specific interaction of anti-NFkB p65 (Rel A) with the NFkB p65 (Rel A) subunit. Control peptide should

	be used at 1.0 µg per 1.0 µl of antiserum in per assay.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by dry weight
Buffer:	None
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is six (6) months from date of receipt.

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