

## 12-4308: Phospho-NFKB p65 (Ser536) (Clone: B7) rabbit mAb PE conjugate

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	NFKBp65S536-B7
<b>Application :</b>	FACS
<b>Reactivity :</b>	Human
<b>Conjugate :</b>	PE
<b>Format :</b>	Conjugated
<b>Alternative Name :</b>	Transcription factor p65, Nuclear factor NF-kappa-B p65 subunit, Nuclear factor of kappa light polypeptide gene enhancer in B-cells 3, RELA, NFKB3
<b>Isotype :</b>	Rabbit IgG1k
<b>Immunogen Information :</b>	A synthetic phospho-peptide corresponding to residues surrounding Ser536 of human phospho-NFKB p65

### Description

The nuclear factor kB (NfκB)/Rel family of transcription factors play a pivotal role in inflammatory and immune responses (1,2). NF-kappa-B is present in almost all cell types and is involved in many biological processes including immunity, inflammation, cell growth and differentiation, apoptosis, and tumorigenesis. NfκB is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NfκB1/p105, NfκB1/p50, REL and NfκB2/p52. The dimers bind at kB sites in the target gene DNA. Individual dimers have distinct preferences for different kB sites and can act as either transcriptional activators or repressors. NfκB Ser536 phosphorylation stimulates Lys310 acetylation and interaction of phospho NfκB with CBP. Acetylated/phospho NfκB induces enhanced transcriptional activity.

### Product Info

<b>Amount :</b>	10 Tests / 100 Tests
<b>Content :</b>	1X PBS, 0.09% NaN <sub>3</sub> , 0.2% BSA
<b>Storage condition :</b>	Store at 2-8°C. Avoid repeated freeze and thaw cycles.

### Application Note

For flow cytometric staining, the suggested use of this reagent is 5  $\mu$ L per million cells or 5  $\mu$ L per 100  $\mu$ L of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

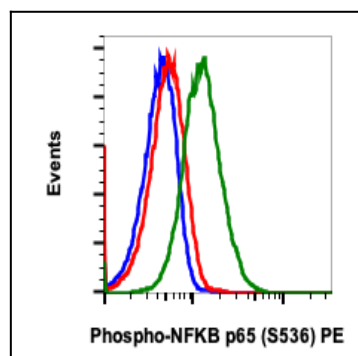


Fig-1: Flow cytometric analysis of HeLa cells untreated and unstained as negative control (blue), untreated (red) or treated with TNF $\alpha$  plus CalA (green) and stained using phospho-NFKB p65 (Ser536) antibody NFKBP65S536-B7 PE .