

12-4309: Phospho-NFKB p65 (Ser536) (Clone: B7) rabbit mAb FITC Conjugate

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

Description

The nuclear factor κ B (NF κ B)/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. NF κ B is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NF κ B1/p105, NF κ B1/p50, REL and NF κ B2/p52. The dimers bind at κ B sites in the target gene DNA. Individual dimers have distinct preferences for different κ B sites and can act as either transcriptional activators or repressors. NF κ B Ser536 phosphorylation stimulates Lys310 acetylation and interaction of phospho NF κ B with CBP. Acetylated/phospho NF κ B induces enhanced transcriptional activity.

Product Info

Amount :	10 Tests / 100 Tests
Content :	1X PBS, 0.09% NaN ₃ , 0.2% BSA
Storage condition :	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 μ L per million cells or 5 μ L per 100 μ 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.

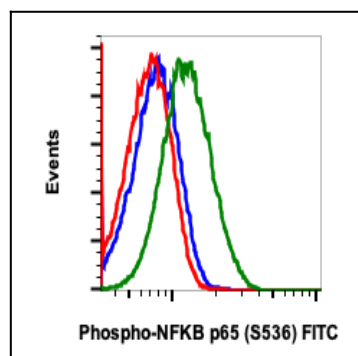


Fig-1: Flow cytometric analysis of HeLa cells unstained and untreated as negative control (blue) or untreated (red) or treated with TNFa plus CaIA (green) and stained using phospho-NFKB p65 (Ser536) FITC conjugate antibody, NFKBP65S536-B7.