Phospho-NFKB p65 (Ser468) (B9) rabbit mAb

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Catalog: #2461

Store at: -20ºC

For Research Use Only. Not For Use In Diagnostic Procedures.

Applications	Detection	Clonality	Isotype
Flow Cytometry	Anti-Rabbit IgG	Monoclonal	Rabbit IgGk

Format: Unconjugated

Cross Reactivity: Predicted to work with mouse, rat and other homologues.

Formulation: 1X PBS, 0.09% NaN3, 0.2% BSA

Preparation: Protein A+G

Reactivity: Human

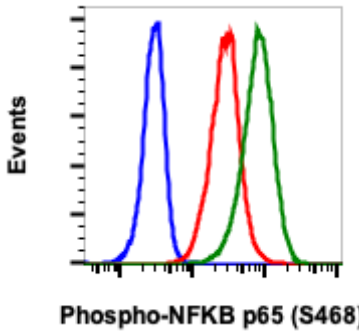
Recommended Usage: For flow cytometric staining, the suggested use of this reagent is 5 µL per million cells or 5 µL per 100 µL of staining volume. It is recommended that the reagent be titrated for optimal performance for each application. See product image legends for additional information.

Immunogen: A synthetic phospho-peptide corresponding to residues surrounding Ser536 of human phospho-NFKB p65

Description: The nuclear factor κB (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. NFkB is a homo- or heterodimeric complex formed by the Rel-like domain-containing proteins RELA/p65, RELB, NFkB1/p105, NFkB1/p50, REL and NFkB2/p52. The dimers bind at κB sites in the target gene DNA. Individual dimers have distinct preferences for different κB sites and can act as either transcriptional activators or repressors. NFkB Ser536 phosphorylation stimulates Lys310 acetylation and interaction of phospho NFkB with CBP. Acetylated/phospho NFkB induces enhanced transcriptional activity.

References:

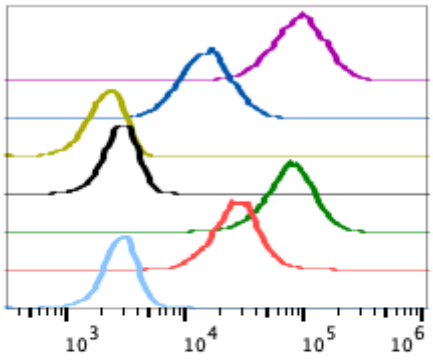
1. Baeuerle PA, and Henkel T, 1994, Annu Rev Immunol, 12:141-179.
2. Baeuerle PA, and Baltimore D, 1996, Cell, 87:13-20.



Phospho-NFKB p65 (S468)

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Flow cytometric analysis of A431 cells unstained and untreated with as negative control (blue) or untreated (red) or treated with staurosporine (green) and stained using phospho-NFKB p65 (Ser468) antibody NFKBP65S468-B9 at 0.01 ug/mL Cat. #2461.



	$WELLID	Treatment	Median : BL1-A
☐	B9 0.01+NP	Stauro	90472
☐	B9 0.01+NP	CTRL	14969
☐	B9 0.01+PP	Stauro	2195
☐	B9 0.01+PP	CTRL	2896
☐	B9 0.01	Stauro	76767
☐	B9 0.01	CTRL	27213
☐	CELL ONLY	CTRL	2879

Peptide blocking flow cytometric analysis of A431cells secondary antibody only negative control (light blue) or untreated (red) or treated with staurosporine (green) or untreated and blocked with phospho-peptide (black) or treated and blocked with phospho peptide (gold) or untreated and blocked with non-phospho peptide (dark blue) or treated and blocked with non-phospho peptide (purple) using Phospho-NFkB p65 (Ser468) antibody NFkBp65S468-B9 at 0.01µg/mL. Cat. #2461.

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