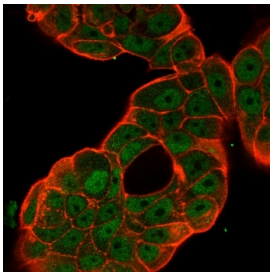
p65 NF-kB Antibody / RELA [clone PCRP-RELA-1E3] (V9229)

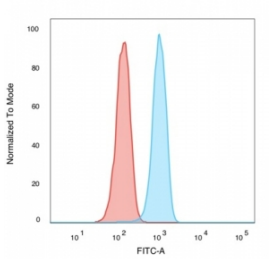
Catalog No.	Formulation	Size
V9229-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9229-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9229SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

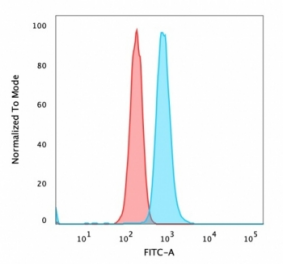
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-RELA-1E3
Purity	Protein A/G affinity
UniProt	Q04206
Localization	Nucleus, Cytoplasm
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This p65 NF-kB antibody is available for research use only.



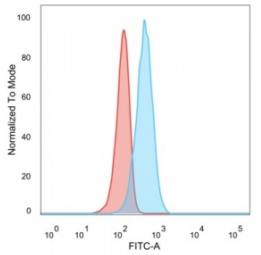
Immunofluorescent staining of PFA-fixed human MCF-7 cells using p65 NF-kB antibody (green, clone PCRP-RELA-1E3) and phalloidin (red).



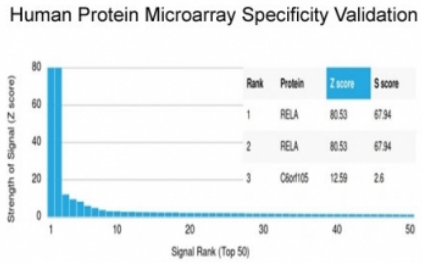
FACS staining of PFA-fixed human K562 cells with p65 NF-kB antibody (blue, clone PCRP-RELA-1E3) and isotype control (red).



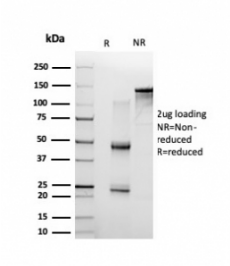
FACS staining of PFA-fixed human HeLa cells with p65 NF-kB antibody (blue, clone PCRP-RELA-1E3) and isotype control (red).



FACS staining of PFA-fixed human U-87 cells with p65 NF-kB antibody (blue, clone PCRP-RELA-1E3), and isotype control (red).



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using p65 NF-kB antibody (clone PCRP-RELA-1E3). These results demonstrate the foremost specificity of the PCRP-RELA-1E3 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free p65 NF-kB antibody (PCRP-RELA-1E3) as confirmation of integrity and purity.

Description

Proteins encoded by the v-Rel viral oncogene and its cellular homolog, c-Rel, are members of a family of transcription factors that include the two subunits of the transcription factor N B (p50 and p65) and the Drosophila maternal morphogen, dorsal. Both proteins specifically bind to DNA sequences that are the same or slight variations of the 10 bp B sequence in the immunoglobulin light chain enhancer. This same sequence is also present in a number of other cellular and viral enhancers. The DNA binding activity of NF B is activated and NF B is subsequently transported from the cytoplasm to the nucleus in cells exposed to mitogens or growth factors. cDNAs encoding precursors for two distinct

proteins of the same size have been described, designated p105 and p100. The p105 precursor contains p50 at its N-terminus and a C-terminal region that when expressed as a separate molecule, designated pdI, binds to p50 and regulates its activity.

Application Notes

Optimal dilution of the p65 NF-kB antibody should be determined by the researcher.

Immunogen

Recombinant full-length human RELA protein was used as the immunogen for the p65 NF-kB antibody.

Storage

Aliquot the p65 NF-kB antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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