NF-kB p65 / RELA Antibody

Mouse Monoclonal Antibody [Clone PCRP-RELA-1E3]

Catalog No	Format	Size
5970-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
5970-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
5970-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

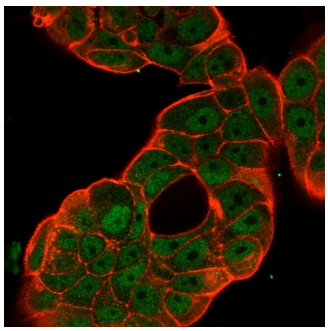
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

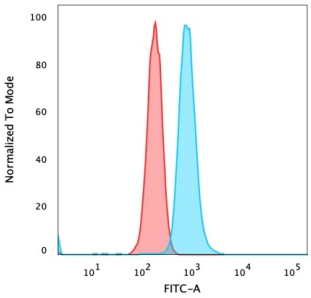
Clone	PCRP-RELA-1E3
Gene Name	RELA
Immunogen	Recombinant full-length human RELA protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	65kDa
Cellular Localization	Cytoplasm, Nucleus
Species Reactivity	Human
Positive Control	HeLa, K562 or MCF-7 cells., U87

**Optimal dilution for a specific application should be determined.*

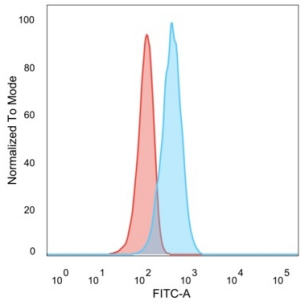
Product Images for NF-kB p65 / RELA Antibody



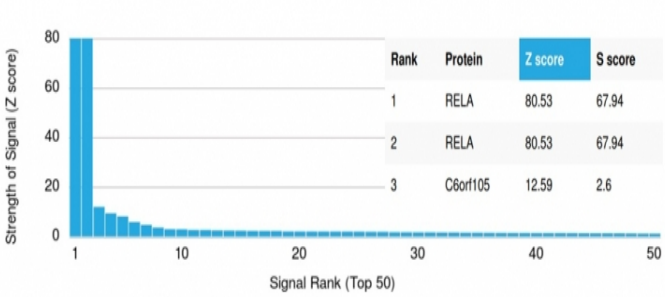
Immunofluorescence Analysis of PFA-fixed MCF-7 cells using NF-kB p65 / RELA Mouse Monoclonal Antibody (PCRP-RELA-1E3) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



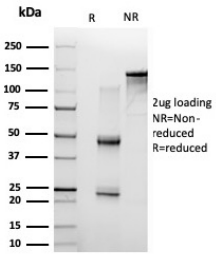
Flow Cytometric Analysis of PFA-fixed HeLa cells. NF-kB p65 / RELA Mouse Monoclonal Antibody (PCRP-RELA-1E3) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



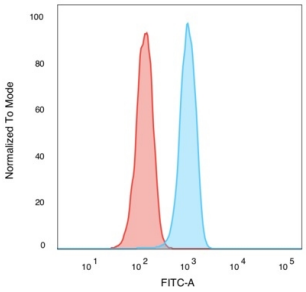
Flow Cytometric Analysis of PFA-fixed U87 cells. NF-kB p65 / RELA Mouse Monoclonal Antibody (PCRP-RELA-1E3) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing NF-kB p65 / RELA Mouse Monoclonal Antibody (PCRP-RELA-1E3). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



SDS-PAGE Analysis.Purified NF-kB p65 / RELA Mouse Monoclonal Antibody (PCRP-RELA-1E3). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of PFA-fixed K562 cells. NF-kB p65 / RELA Mouse Monoclonal Antibody (PCRP-RELA-1E3) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Cytokine Signaling, Developmental Biology, Immunology, Infectious Disease, Lung Cancer, MAPK Signaling, Signal Transduction, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.