Human/Mouse RelA/NFκB p65 APC-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 532301

Catalog Number: IC5078A

100 TESTS

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse RelA/NFκB p65 in Western blots.
Source	Monoclonal Mouse IgG_{2B} Clone # 532301
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human RelA/NFκB p65 isoform 1 Asn456-Ser551 Accession # Q04206
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

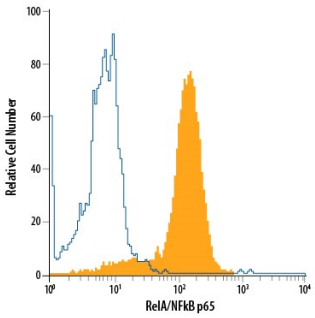
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	10 µL/10^6 cells	See Below

DATA

Intracellular Staining by Flow Cytometry



Detection of RelA/NFκB p65 in HeLa Human Cell Line by Flow Cytometry. HeLa human cervical epithelial carcinoma cell line was stained with Mouse Anti-Human/Mouse RelA/NFκB p65 APC-conjugated Monoclonal Antibody (Catalog # IC5078A, filled histogram) or isotype control antibody (Catalog # IC0041A, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

RelA p65 (v-rel reticuloendotheliosis viral oncogene homolog A) is a 65 kDa member of the NFκB family of nuclear transcription factors. Dimers of p65 with the p50 subunit are the most common form of the NFκB transcription factor, but dimers with it or other family members can also occur. Upon activation, RelA p65 forms an heterotetramer and moves into the nucleus where it binds to specific DNA sequences. An alternatively spliced isoform that lacks amino acids (aa) 222–231 (p65Δ) does not bind DNA. Over the sequence used as an immunogen, human RelA p65 shares 96% and 98% aa identity with mouse and rat RelA p65, respectively. This portion includes one of eight potential ser/thr phosphorylation sites, two acetylation sites, and most of the Rel homology domain that interacts with IκB inhibitors.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956