# Human RelA/NFκB p65
# Alexa Fluor® 700-conjugated Antibody

Monoclonal Rat $IgG_{2A}$ Clone # 465003

Catalog Number: IC50781N

100 µg

## DESCRIPTION

| | |
|---|---|
| **Species Reactivity** | Human |
| **Specificity** | Detects human RelA/NFκB p65 in direct ELISAs. |
| **Source** | Monoclonal Rat $IgG_{2A}$ Clone # 465003 |
| **Purification** | Protein A or G purified from hybridoma culture supernatant |
| **Immunogen** | *E. coli*-derived recombinant human RelA/NFκB p65<br>Met1-Thr254<br>Accession # NP_068810 |
| **Conjugate** | Alexa Fluor 700<br>Excitation Wavelength: 675-700 nm<br>Emission Wavelength: 723 nm |
| **Formulation** | Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.<br><br>*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** | 0.25-1 µg/$10^6$ cells | Daudi human Burkitt's lymphoma cell line fixed with paraformaldehyde and permeabilized with methanol |

## PREPARATION AND STORAGE

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| **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.**<br>● 12 months from date of receipt, 2 to 8 °C as supplied. |

## BACKGROUND

RelA p65 is a 65 kDa member of the NFkB family of nuclear transcription factors. Dimers of p65 with the p50 subunit are the most common form of the NFkB transcription factor, but dimers with itself or other family members are also active. An alternatively spliced isoform that lacks amino acids (aa) 222-231 (p65D) 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 IkB inhibitors.

## PRODUCT SPECIFIC NOTICES

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