

For Research Use Only

# CoraLite® Plus 488-conjugated Phospho-NF-κB p65 (Ser468) Recombinant antibody

Catalog Number: CL488-82335



## Basic Information

### Catalog Number:

CL488-82335

### Size:

100ul , Concentration: 1000 µg/ml by  
Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### GenBank Accession Number:

BC011603

### GeneID (NCBI):

5970

### UNIPROT ID:

Q04206

### Full Name:

v-rel reticuloendotheliosis viral  
oncogene homolog A (avian)

### Calculated MW:

65 kDa

### Observed MW:

75 kDa

### Purification Method:

Protein A purification

### CloneNo.:

6N1

### Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

### Tested Applications:

FC (Intra)

### Species Specificity:

human, mouse

### Positive Controls:

FC (Intra) : Calyculin A treated NIH/3T3 cells,

## Background Information

Nuclear factor κB (NF-κB) is a collective term for a small family of dimeric transcription factors [comprising p65 (RelA) and RelB, c-Rel, p50/p105 (NF-κB1), and p52/p100 (NF-κB2)]. All NF-κB proteins share a Rel homology domain (RHD), which is responsible for DNA binding and dimerization. Only p65, RelB, and c-Rel contain potent transactivation domains within sequences from the C-terminal to the RHD. Exterior signals lead to the phosphorylation and degradation of the inhibitory complex IκB, which is modulated by the IκB kinase (IKK), and its degradation allows for the release of the typical NF-κB heterodimer, p65/p50, to translocate into the nucleus. NF-κB binds to its cognate DNA elements and can transcriptionally activate different target genes among which 200-500 genes have been implicated in cell survival/apoptosis, cell growth, immune response, and inflammation.

## Storage

### Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

PBS with 50% glycerol, 0.05% Proclin300, 0.5% BSA, pH7.3

Aliquoting is unnecessary for -20°C storage

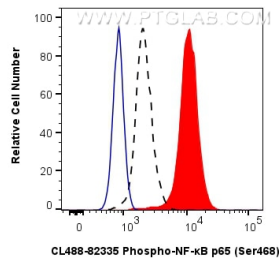
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> NIH/3T3 cells untreated (dashed lines) or treated with Calyculin A which intracellularly stained with 0.13 ug Coralite® Plus 488 Phospho-NF-Kb P65 (Ser468) Recombinant Antibody (CL488-82335, Clone:6N1)(red), or 0.13 ug Coralite® Plus 488 Rabbit IgG Isotype Control RecAb (CL488-98136, Clone: 240953C9) (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.