

For Research Use Only



CoraLite® Plus 647-conjugated Phospho-IkB Beta (Thr19/Ser23) Recombinant monoclonal antibody

Catalog Number: **CL647-84403**

Basic Information

Catalog Number:

CL647-84403

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC015528

GeneID (NCBI):

4793

UNIPROT ID:

Q15653

Full Name:

nuclear factor of kappa light
polypeptide gene enhancer in B-cells
inhibitor, beta

Calculated MW:

356 aa, 38 kDa

Observed MW:

50 kDa

Purification Method:

Protein A purification

CloneNo.:

241061B2

Recommended Dilutions:

FC (Intra): 0.13 ug per 10⁶ cells in a
100 µl suspension

Excitation/Emission maxima

wavelengths:

654 nm / 674 nm

Applications

Tested Applications:

FC (Intra)

Species Specificity:

human

Positive Controls:

FC (Intra): TNF alpha and Calyculin A treated HT-29
cells,

Background Information

IκB Beta is also named as NF-κappa-B inhibitor beta (NFKBIB) and TRIP-9. IκBB is one of the major isoforms of the NFKB inhibitor which preferentially interacts with c-Rel or p65 NF-κB dimers (PMID: 26227166). IκBB was reported to be associated with tumor growth inhibition and metastasis in lung cancer (PMID: 11402320). IκBB also inhibits cancer cell regulation through inactivation of the NFKB pathway (PMID: 18950638). Exposure of cells to a variety of extracellular stimuli leads to the rapid phosphorylation, ubiquitination, and ultimately proteolytic degradation of IκB, which frees NF-κB to translocate to the nucleus where it regulates gene transcription (PMID: 10837071). The antibody is phosphorylated at Thr19 and Ser23.

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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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

1X10⁶ HT-29 cells untreated (dashed lines) or treated with TNF alpha and Calyculin A which intracellularly stained with 0.13 ug Coralite® Plus 647 Phospho-Ikb Beta (Thr19/Ser23) Recombinant Antibody (CL647-84403, Clone:241061B2)(red), or 0.13 ug CoraLite® Plus 647 Rabbit IgG Isotype Control RecAb (CL647-98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF00026).

