

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	GenBank Accession Number: BC015528	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 4793	CloneNo.: 241061B2
Source: Rabbit	UNIPROT ID: Q15653	Recommended Dilutions: FC (Intra): 0.13 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
	Calculated MW: 356 aa, 38 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: FC (Intra)	Positive Controls: FC (Intra) : TNF alpha and Calyculin A treated HT-29 cells,
Species Specificity: human	

Background Information

IκB Beta is also named as NF-kappa-B inhibitor beta (NFKBIB) and TRIP-9. IκBB is one of the major isoforms of the NFκB 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 NFκB 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:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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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

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