

For Research Use Only



CoraLite® Plus 488-conjugated Phospho-IkB Beta (Thr19/Ser23) Recombinant monoclonal antibody

Catalog Number: **CL488-84403**

Basic Information

Catalog Number: CL488-84403	GenBank Accession Number: BC015528	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 4793	CloneNo.: 241061B2
Isotype: IgG	UNIPROT ID: Q15653	Recommended Dilutions: FC (Intra): 0.13 ug per 10 ⁶ cells in a 100 µl suspension
	Full Name: nuclear factor of kappa light polypeptide gene enhancer in B-cells inhibitor, beta	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Calculated MW: 356 aa, 38 kDa	
	Observed MW: 50 kDa	

Applications

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

Background Information

IκB Beta is also named as NF-κappa-B inhibitor beta (NFKB1B) 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:

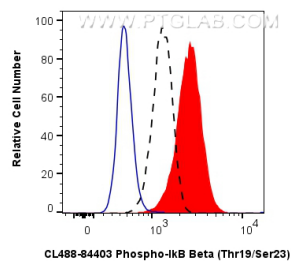
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

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 488 Phospho-IkB Beta (Thr19/Ser23) Recombinant Antibody (CL488-84403, Clone:241061B2)(red), or 0.13 ug Coralite® Plus 488 Rabbit IgG Isotype Control RecAb (CL488-98136, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Flow Cytometry Phosphorylated Protein Fixation/Permeabilization Kit (PF00026).

