

For Research Use Only

# BCL11B Recombinant antibody

Catalog Number: 85363-1-RR



## Basic Information

Catalog Number:

85363-1-RR

Concentration:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_022898

GeneID (NCBI):

64919

UNIPROT ID:

Q9C0K0

Full Name:

B-cell CLL/lymphoma 11B (zinc finger protein)

Calculated MW:

96 kDa

Observed MW:

116 kDa

Purification Method:

Protein A purification

CloneNo.:

242683B9

Recommended Dilutions:

WB: 1:2000-1:10000

IF/ICC: 1:50-1:500

FC (Intra): 0.25 µg per 10<sup>6</sup> cells in a 100 µl suspension

## Applications

Tested Applications:

WB, IF/ICC, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB: Jurkat cells, MOLT-4 cells, mouse thymus tissue

IF/ICC: Jurkat cells,

FC (Intra): Jurkat cells,

## Background Information

BCL11B, also named CTIP2, RIT1, CTIP-2, ZNF856B, and hRIT1-alpha, is a tumor-suppressor protein involved in T-cell lymphomas. It may function on the P53-signaling pathway. BCL11B is a key regulator of both differentiation and survival during thymocyte development. It depresses transcription through direct, TFCOUP2-independent binding to a GC-rich response element. This antibody is specific to BCL11B. The calculated molecular weight of BCL11B is 95 kDa but the modified BCL11B protein is about 116 kDa.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

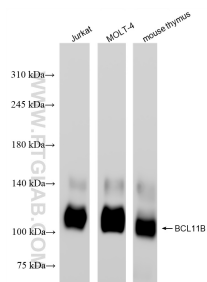
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

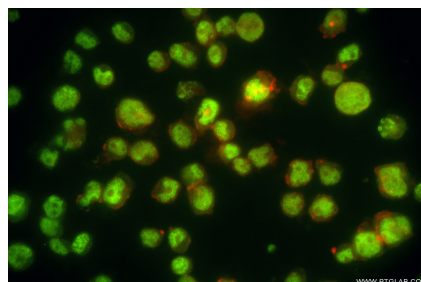
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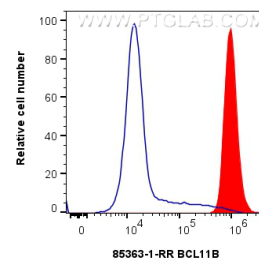
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85363-1-RR (BCL11B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using BCL11B antibody (85363-1-RR, Clone: 242683B9) at dilution of 1:200 and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).



1x10<sup>6</sup> Jurkat cells were intracellularly stained with 0.25 ug BCL11B Recombinant antibody (85363-1-RR, Clone:242683B9) and CoraLite® 488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2) (red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).