

For Research Use Only

# BCL11B Recombinant antibody

Catalog Number: 85363-1-RR



## Basic Information

**Catalog Number:**

85363-1-RR

**Size:**

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

**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 ug 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

\*\*\* 20ul sizes contain 0.1% BSA

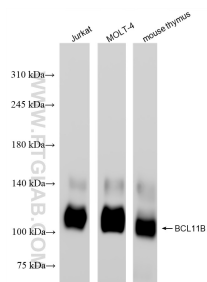
For technical support and original validation data for this product please contact:

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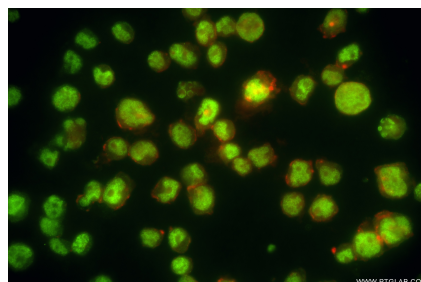
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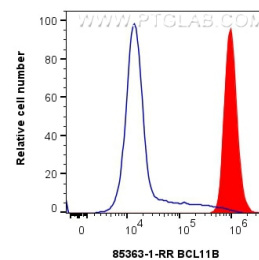
## Selected Validation Data



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).