

For Research Use Only

CoraLite®555-conjugated BCL2 Recombinant monoclonal antibody

Catalog Number:CL555-80313



Basic Information

Catalog Number:

CL555-80313

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3508

GenBank Accession Number:

BC027258

GeneID (NCBI):

596

UNIPROT ID:

P10415

Full Name:

B-cell CLL/lymphoma 2

Calculated MW:

26 kDa

Observed MW:

26 kDa

Purification Method:

Protein A purification

CloneNo.:

305

Recommended Dilutions:

IF-P: 1:50-1:500

FC (Intra): 0.40 ug per 10⁶ cells in a
100 µl suspension

Excitation/Emission maxima
wavelengths:

557 nm / 570 nm

Applications

Tested Applications:

IF-P, FC (Intra)

Species Specificity:

human

Positive Controls:

IF-P : human appendicitis tissue,

FC (Intra) : Jurkat cells,

Background Information

BCL2 belongs to the Bcl-2 family. It suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. BCL2 regulates cell death by controlling the mitochondrial membrane permeability (PMID: 10365962). It appears to function in a feedback loop system with caspases. BCL2 inhibits caspase activity either by preventing the release of cytochrome c from the mitochondria and/or by binding to the apoptosis-activating factor (APAF-1) (PMID: 10444588).

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:

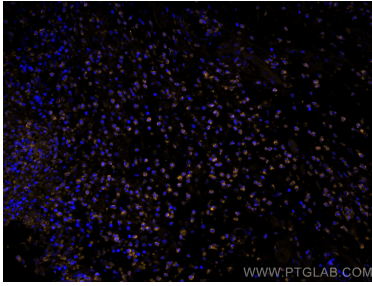
T: 4006900926

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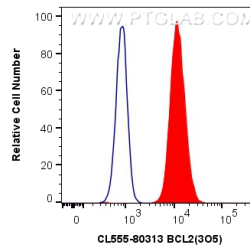
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human appendicitis tissue using CoraLite®555 BCL2 antibody (CL555-80313, Clone: 305) at dilution of 1:200.



1×10^6 Jurkat cells were intracellularly stained with 0.4 ug CoraLite®555 Anti-Human BCL2 (CL555-80313, Clone:305) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.