For Research Use Only

CoraLite®594-conjugated BCL2 Recombinant monoclonal antibody

Catalog Number:CL594-80313

proteintech®
Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
CL594-80313

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 10^6 cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:
588 nm / 604 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).

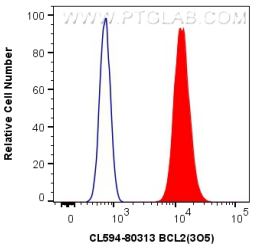
Storage

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

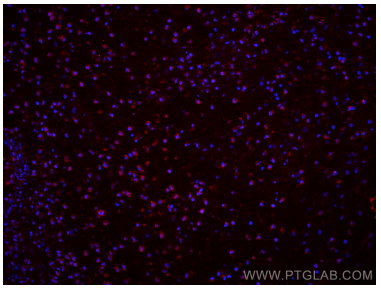
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

Selected Validation Data



1X10^6 Jurkat cells were intracellularly stained with 0.4 ug CoraLite®594 Anti-Human BCL2 (CL594-80313, Clone:3O5) (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer.



Immunofluorescent analysis of (4% PFA) fixed human appendicitis tissue using CoraLite®594 BCL2 antibody (CL594-80313, Clone: 3O5) at dilution of 1:200.