ARG55935
anti-Bcl 2 antibody [124]

Package: 50 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [124] recognizes Bcl 2
Tested Reactivity	Hu
Species Does Not React With	Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	124
Isotype	IgG1, kappa
Target Name	Bcl 2
Species	Human
Immunogen	Synthetic peptide around aa. 41-54 of Human Bcl-2 protein (GAAPAPGIFSSQPG-C).
Conjugation	Un-conjugated
Alternate Names	BCL2; BCL2 Apoptosis Regulator; PPP1R50; Bcl-2; Protein Phosphatase 1, Regulatory Subunit 50; Apoptosis Regulator Bcl-2; B-Cell CLL/Lymphoma 2; BCL2, Apoptosis Regulator

Application Instructions

Application table

Application	Dilution
FACS	1 - 2 µg/10^6 cells
ICC/IF	1 - 5 µg/ml
IHC-P	1 - 5 µg/ml
WB	0.5 - 1 µg/ml

Application Note: IHC-P: Antigen Retrieval: Boil tissue section in 1 mM EDTA buffer (pH 7.5-8.5) for 10-20 min, followed by cooling at RT for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

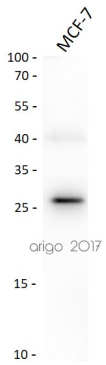
Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.05% Sodium azide and 0.1 mg/ml BSA
Preservative	0.05% Sodium azide
Stabilizer	0.1 mg/ml BSA

Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

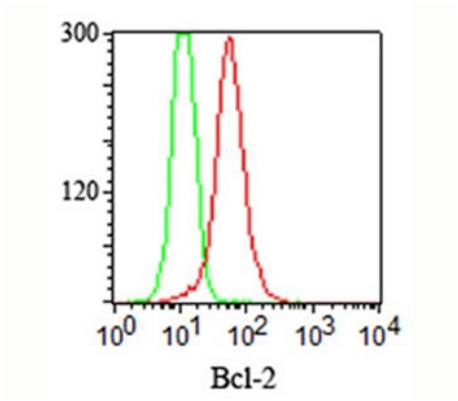
Database links	GeneID: 596 Human Swiss-port # P10415 Human
Gene Symbol	BCL2
Gene Full Name	B-cell CLL/lymphoma 2
Background	This gene encodes an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]
Function	Suppresses apoptosis in a variety of cell systems including factor-dependent lymphohematopoietic and neural cells. [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30268 Apoptosis Marker Antibody Duo (Bcl2, Bax) ARG30269 Apoptosis Marker Antibody Duo (Bcl2, Bid) Related products: Bcl-2 antibodies; Bcl-2 Duos / Panels; Anti-Rabbit IgG secondary antibodies; Related news: Lymphoma
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Cell Death antibody; Metabolism antibody; Signaling Transduction antibody; Apoptosis Marker antibody
Calculated Mw	26 kDa
PTM	Phosphoprotein, Ubl conjugation. [UniProt]
Cellular Localization	Cytoplasm, Endoplasmic reticulum, Membrane, Mitochondrion, Mitochondrion outer membrane, Nucleus. [UniProt]

Images



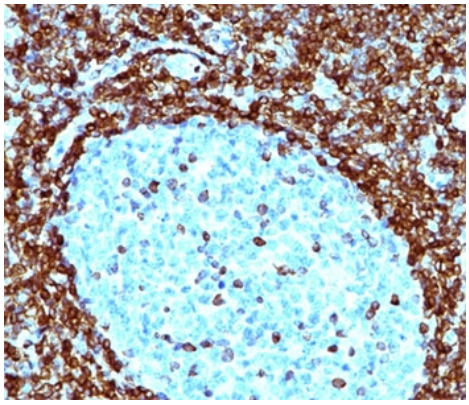
ARG55935 anti-Bcl 2 antibody [124] WB image

Western blot: 30 µg of MCF-7 cell lysate stained with ARG55935 anti-Bcl 2 antibody [124] at 1:200 dilution.



ARG55935 anti-Bcl 2 antibody [124] FACS image

Flow Cytometry: Jurkat cells stained with ARG55935 anti-Bcl 2 antibody [124] (red) and isotype control antibody (green).



ARG55935 anti-Bcl 2 antibody [124] IHC-P image

Immunohistochemistry: Human non-Hodgkin's lymphoma stained with ARG55935 anti-Bcl 2 antibody [124]. Note nuclear membrane and cytoplasmic staining.