

Bcl-2 Monoclonal Antibody (100/D5)

| Product Details | |
|--------------------|---|
| Size | 500 µL |
| Species Reactivity | Human, Mouse |
| Published Species | Rat, Human, Mouse, Rhesus monkey |
| Host/Isotype | Mouse / IgG1, kappa |
| Class | Monoclonal |
| Type | Antibody |
| Clone | 100/D5 |
| Conjugate | Unconjugated |
| Immunogen | A synthetic peptide, aa 41-54 (GAAPAPGIFSSQPG-Cys) of human Bcl-2 protein |
| Form | Liquid |
| Concentration | 0.4 mg/mL |
| Purification | Protein G |
| Storage buffer | PBS, pH 7.4, with 0.2% BSA |
| Contains | 0.09% sodium azide |
| Storage conditions | 4° C |
| RRID | AB_10978135 |

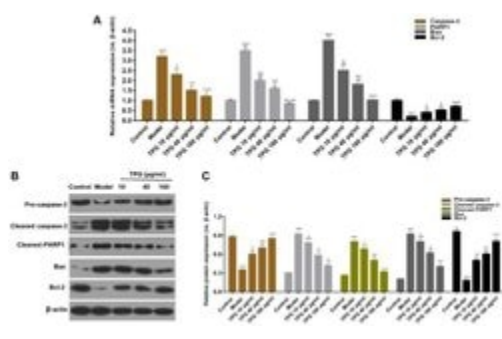
| Applications | Tested Dilution | Publications |
|---|-----------------|-----------------|
| Western Blot (WB) | 1:50 | 20 Publications |
| Immunohistochemistry (IHC) | - | 27 Publications |
| Immunohistochemistry (Paraffin) (IHC (P)) | 1:50 | 4 Publications |
| Immunocytochemistry (ICC/IF) | 1:10-1:100 | 6 Publications |
| Flow Cytometry (Flow) | 0.5-1 µg/test | 1 Publication |
| Miscellaneous PubMed (Misc) | - | 1 Publication |

Product Specific Information

MA5-11757 targets BCL-2 in FACS, ICC/IF, IHC (P), IP, and WB applications and shows reactivity with Human and mouse samples.

The MA5-11757 immunogen is a synthetic peptide, aa 41-54 (GAAPAPGIFSSQPG-Cys) of human Bcl-2 protein.

Advanced Verification Data

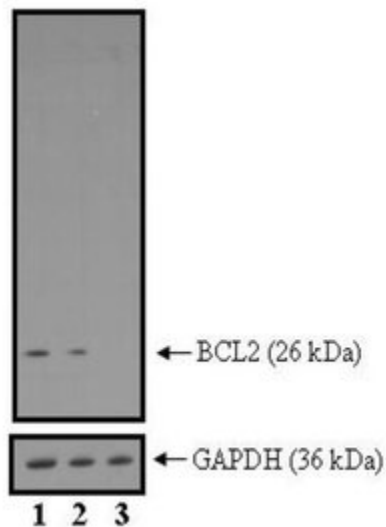


Bcl-2 Antibody (MA5-11757)

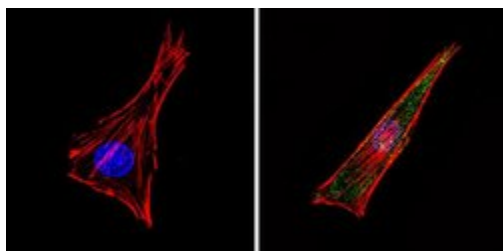
Figure 3. TPG regulates apoptosis-associated factors in H9C2 cells. H9C2 cells were treated with TPG (10, 40 and 160 ug/ml) for 24 h and subjected to I/R injury. (A) Relative mRNA expression levels of caspase-3, PARP1, Bax and Bcl-2 were investigated by reverse transcription-quantitative polymerase chain reaction. (B) Relative protein expression levels of caspase-3, PARP1, Bax and Bcl-2 were evaluated by western blotting and normalized to beta-actin expression. (C) Blot results were semi-quantified. *P<0.05, **P<0.01, ***P<0.001, vs. the control group; + P<0.05, ++ P<0.01, +++ P<0.001, vs. the model group. Bax, Bcl-2-associated X protein; Bcl-2, B-cell lymphoma; I/R, ischemia/reperfusion; PARP, poly (ADP-ribose) polymerase; TPG, total paeony glycoside. Cell treatment validation info.

Bcl-2 Antibody (MA5-11757)

The specificity of anti-BCL2 mouse monoclonal antibody (Product # MA5-11757) was demonstrated by siRNA knockdown. Western blot analysis of HeLa cells extracts using this antibody showed decreased level of BCL2 protein expression in cells transfected with BCL2 specific siRNA (lane 3) but not in controls (lane 1 and 2). Knockdown validation info.



Product Images For Bcl-2 Monoclonal Antibody (100/D5)



Bcl-2 Antibody (MA5-11757) in ICC/IF

Immunofluorescent analysis of BCL-2 alpha (green) showing staining in the nucleus and cytoplasm of NIH-3T3 cells (right) compared to a negative control without primary antibody (left). Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with a BCL-2 alpha monoclonal antibody (Product # MA5-11757) in 3% BSA-PBS at a dilution of 1:20 and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight-conjugated secondary antibody in PBS at room temperature in the dark. F-actin (red) was stained with a fluorescent red phalloidin and nuclei (blue) were stained with Hoechst or DAPI. Images were taken at a magnification of 60x.

View more figures on thermofisher.com

Western Blot (20)

World journal of gastroenterology

Long non-coding RNA TP73-AS1 promotes pancreatic cancer growth and metastasis through miRNA-128-3p/GOLM1 axis.

"Published figure using Bcl-2 monoclonal antibody (Product # MA5-11757) in Western Blot"

Authors: Wang B,Sun X,Huang KJ,Zhou LS,Qiu ZJ

Species
Not Applicable

Dilution
Not Cited

Year
2021

Open life sciences

MiR-203-3p inhibits the oxidative stress, inflammatory responses and apoptosis of mice podocytes induced by high glucose through regulating Sema3A expression.

"Published figure using Bcl-2 monoclonal antibody (Product # MA5-11757) in Western Blot"

Authors: Chen J,Xu Q,Zhang W,Zhen Y,Cheng F,Hua G,Lan J,Tu C

Species
Not Applicable

Dilution
Not Cited

Year
2021

[View more WB references on thermofisher.com](#)

Immunohistochemistry (27)

Frontiers in pharmacology

Therapeutic Potentials of Selected Antihypertensive Agents and Their Fixed-Dose Combinations Against Trastuzumab-Mediated Cardiotoxicity.

"Published figure using Bcl-2 monoclonal antibody (Product # MA5-11757) in Immunohistochemistry"

Authors: Olorundare OE,Adeneye AA,Akinsola AO,Ajayi AM,Agede OA,Soyemi SS,Mgbehoma AI,Okoye II,Albrecht RM, Ntambi JM,Crooks PA

Species
Not Applicable

Dilution
Not Cited

Year
2021

Acta chirurgica brasileira

Immunoexpression of vascular endothelial growth factor and B-cell lymphoma 2 in the uterine tissue of rats treated with melatonin in the estrus phase1.

"MA5-11757 was used in Immunohistochemistry to demonstrate that the increase in vascular endothelial growth factor expression results in rearrangement of endothelial cell growth and induces angiogenesis."

Authors: Görük NY,Deveci E

Species
Rat

Dilution
1:100

Year
2018

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IHC (P) (4)

ICC/IF (6)

Flow (1)

Misc (1)

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