

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	0.2 mg/mL
Purification	Protein A/G
Storage buffer	PBS, pH 7.4, with 0.05% BSA
Contains	0.05% sodium azide
Storage conditions	4°C
RRID	AB_10978135

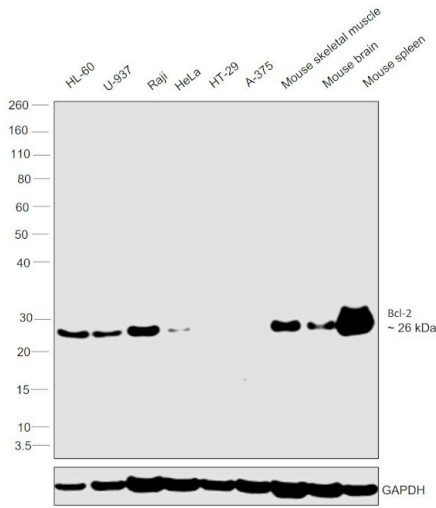
Applications	Tested Dilution	Publications
Western Blot (WB)	1:50-1:200	41 Publications
Immunohistochemistry (IHC)	-	31 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100	4 Publications
Immunocytochemistry (ICC/IF)	1:10-1:100	8 Publications
Flow Cytometry (Flow)	0.5-1 µg/test	1 Publication
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.

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

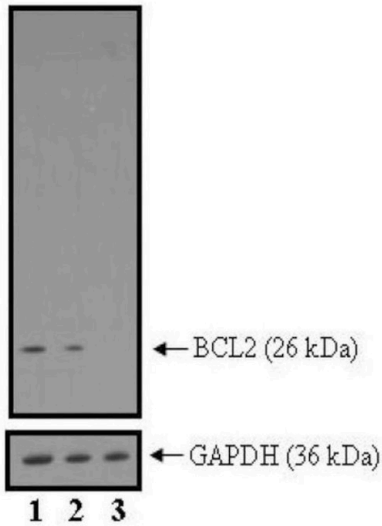


Bcl-2 Antibody (MA5-11757)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell lines and tissues tested owing to their inherent genetic constitution. Relative expression of Bcl-2 was observed in HL-60, U-937, Raji, HeLa which are reported to be positive and not in HT-29 and A-375. In addition, expression of Bcl-2 was higher in mouse spleen in comparison to lower expression in mouse skeletal muscle and mouse brain using Anti-Bcl-2 Monoclonal Antibody (100/D5) (Product # MA5-11757) in western blot. {RE}

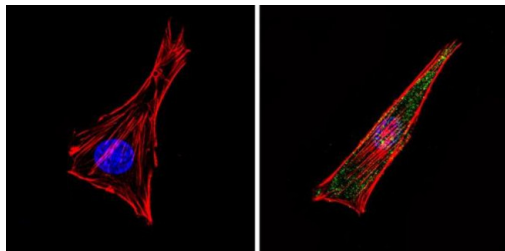
Bcl-2 Antibody (MA5-11757)

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). {KD}



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.cn

Western Blot (41)

FASEB journal : official publication of the Federation of American Societies for Experimental Biology

Year
2024

THUMPD3-AS1 inhibits ovarian cancer cell apoptosis through the miR-320d/ARF1 axis.

"Published figure using Bcl-2 monoclonal antibody (Product # MA5-11757) in Western Blot"
Authors: Mu Q,Wang X,Huang K,Xia B,Bi S,Kong Y

Advances in clinical and experimental medicine : official organ Wroclaw Medical University

Year
2024

Tumor suppressor miR-520a inhibits cell growth by negatively regulating PI3K/AKT signaling pathway in acute myeloid leukemia.

Species
Human

"MA5-11757 was used in Western Blot to show that miR-520a actively regulated cell proliferation in acute myeloid leukemia and illustrated the mechanism by which it exerts its regulatory role, emphasizing the possibility of targeting miR-520a as an efficient therapeutic strategy against human acute myeloid leukemia."
Authors: Xiao J,Wan F,Tian L,Li Y

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

Immunohistochemistry (31)

Saudi journal of biological sciences

Year
2023

The neuroprotective effect of quercetin nanoparticles in the therapy of neuronal damage stimulated by acrolein.

Species
Rat

"MA5-11757 was used in Immunohistochemistry to comprehend the immunohistochemical devastation that might arise in the cerebellum because of acrolein treatment."
Authors: Sanad SM,Farouk R,Nassar SE,Alshahrani MY,Suliman M,Ezzat Ahmed A,Eid Elesawi I

Dilution
1:200

Biology

Year
2022

Modulation Effects of Eugenol on Nephrotoxicity Triggered by Silver Nanoparticles in Adult Rats.

"Published figure using Bcl-2 monoclonal antibody (Product # MA5-11757) in Immunohistochemistry"
Authors: Aboelwafa HR,Ramadan RA,Ibraheim SS,Yousef HN

[View more IHC references on thermofisher.cn](#)

More applications with references on thermofisher.cn

IHC (P) (4)

ICC/IF (8)

Flow (1)

Misc (1)

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.