

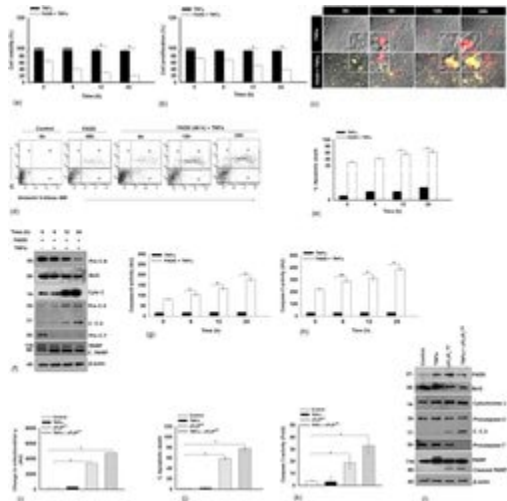
Bcl-2 Monoclonal Antibody (Bcl-2-100)

Product Details	
Size	100 µg
Species Reactivity	Human
Published Species	Rat, Bacteria, Human, Chicken
Host/Isotype	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	Bcl-2-100
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues 41-54 of the human Bcl-2 protein. This sequence is not shared by the mouse Bcl-2 protein.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533042

Applications	Tested Dilution	Publications
Western Blot (WB)	1 µg/mL	20 Publications
Immunohistochemistry (IHC)	Assay-dependent	6 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	10 Publications
Immunocytochemistry (ICC/IF)	-	2 Publications
Flow Cytometry (Flow)	Assay-dependent	2 Publications
Immunoprecipitation (IP)	Assay-dependent	2 Publications
Miscellaneous PubMed (Misc)	-	9 Publications

Bcl-2 Antibody (13-8800)

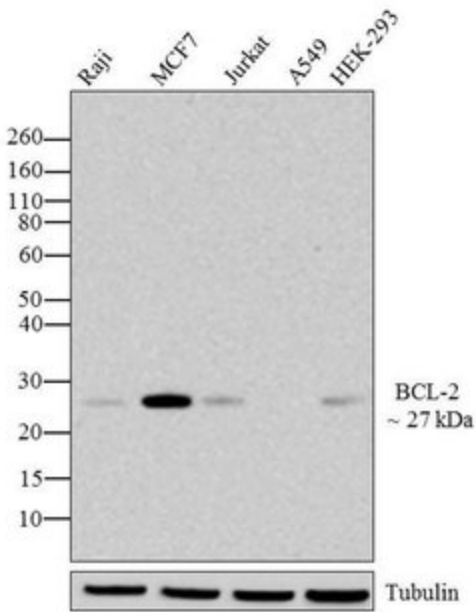
Figure 4 FADD augments downstream apoptosis signaling in TNF-alpha stimulated cells. TNF-alpha (10 ng/ml) was subjected to HEK 293T cells and 48 h of pcDNA-FADD transfected HEK 293T cells. Control represents HEK 293T cells without TNF-alpha treatment (black bar) and 48 h pcDNA-FADD transfected HEK 293T cells (white bar) (shown as 0 h time point). (a) Percent cell viability, (b) Percent cell proliferation, (c) Images of Propidium iodide (PI) staining (pEYFP-FADD construct was used in this experiment) (scale bar-2 mum), (d) Apoptotic cell death monitored by Flow cytometric analysis using (BD FACSAria 3, BD Biosciences, San Jose, CA, USA BD), the result represents in contour plots with quadrant gates showing early apoptotic shown in quadrant 4 (Q4) and late apoptotic in quadrant 2 (Q2), (e) Percent apoptotic death (Annexin-V-FITC + /PI +) by Tali TM image based cytometer, (f) Expression of cell death regulatory proteins examined by Western blotting, (g) caspase-8 activity, (h) caspase-3 activity. The uncropped full-length blot of Procaspase-8, processed caspase-3 and cytochrome c are presented in supplementary Fig. S10 . Next, HEK 293T cells were treated as mentioned in Figure legend 2i, TNF-alpha untreated and non targeting siRNA transfected cells were taken as control. Here results illustrate (i) Quantitative analysis of loss of mitochondrial membrane potential (Psi), (j) Percent apoptotic death (Annexin-V-FITC + /PI +) by Tali TM image based cytometer, (k) Cell treatment validation info.



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

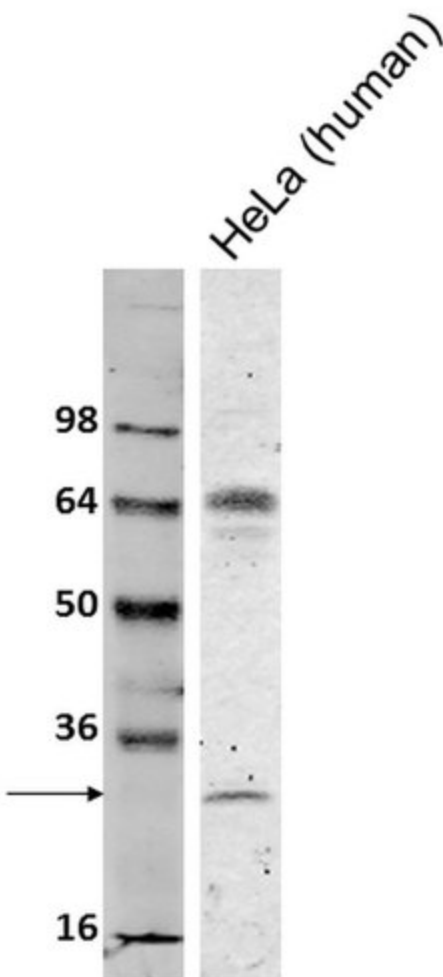
Bcl-2 Antibody (13-8800) in WB

Western blot analysis of BCL-2 was performed by loading 20 µg of Raji (lane1), MCF7 (lane2), Jurkat (lane3), A549 (lane4) and HEK-293 (lane5) cell lysates using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0321BOX), XCell SureLock Electrophoresis System (Product # EI0002), Novex® Sharp Pre-Stained Protein Standard (Product # LC5800), and iBlot® Dry Blotting System (Product # IB21001). Proteins were transferred to a nitrocellulose membrane and blocked with 5 % skim milk for 1 hour at room temperature. BCL-2 was detected at ~27 kDa using BCL-2 Mouse Monoclonal Antibody (Product # 13-8800) at 1-3 µg/mL dilution in 2.5 % skim milk at 4°C overnight on a rocking platform. Goat anti-Mouse IgG - HRP Secondary Antibody (Product # G-21234) at 1:4000 dilution was used and chemiluminescent detection was performed using Pierce™ ECL Western blotting Substrate (Product # 32106).



Bcl-2 Antibody (13-8800) in WB

Western blot analysis of Bcl2 was performed by loading 2 µL SeeBlue® Plus2 Prestained Protein Ladder (Product # LC5925) (lane 1) and 50 µg HeLa (lane 2, HeLa (human) cell lysate onto a 10% Tris-Glycine polyacrylamide gel. Proteins were transferred to a nitrocellulose membrane and blocked with 1% BSA/TBST for at least 1 hour at room temperature. Bcl2 was detected using a monoclonal antibody (Product # 13-8800) at a concentration of 1 µg/mL in blocking buffer overnight at 4°C on a rocking platform, followed by a goat anti-mouse IgG Alexa Fluor 680 secondary antibody (Product # A11357) at a dilution of 1:10,000 for at least 1 hour. Fluorescent detection was performed using the Odyssey® CLx imaging system (Li-cor Biosciences). Images generated by Joell Solan in Paul Lampe Lab at Fred Hutchinson Cancer Research Center.



[View more figures on thermofisher.com](#)

51 References

Western Blot (20)

International journal of molecular sciences

Neuroprotective Effects of Growth Hormone (GH) and Insulin-Like Growth Factor Type 1 (IGF-1) after Hypoxic-Ischemic Injury in Chicken Cerebellar Cell Cultures.

"Published figure using Bcl-2 monoclonal antibody (Product # 13-8800) in Western Blot"

Authors: Baltazar-Lara R,Ávila-Mendoza J,Martínez-Moreno CG,Carranza M,Pech-Pool S,Vázquez-Martínez O,Díaz-Muñoz M,Luna M,Arámburo C

Species
Not Applicable

Dilution
Not Cited

Year
2020

Human cell

HDAC inhibitors promote pancreatic stellate cell apoptosis and relieve pancreatic fibrosis by upregulating miR-15/16 in chronic pancreatitis.

"13-8800 was used in Western Blotting to find that miR-15 and miR-16 decreased significantly in chronic pancreatitis and HDAC inhibition could recover the levels of these two miRNAs."

Authors: Ji T,Feng W,Zhang X,Zang K,Zhu X,Shang F

Species
Rat

Dilution
Not Cited

Year
2020

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

Immunohistochemistry (6)

Diagnostic pathology

Primary sclerosing epithelioid fibrosarcoma of kidney with variant histomorphologic features: report of 2 cases and review of the literature.

"13-8800 was used in immunohistochemistry to present two cases of primary sclerosing epithelioid fibrosarcoma of the kidney"

Authors: Ertoy Baydar D,Kosemehmetoglu K,Aydin O,Bridge JA,Buyukeren B,Aki FT

Species
Human

Dilution
1:80

Year
2015

Biometals : an international journal on the role of metal ions in biology, biochemistry, and medicine

Cytoprotective mechanisms in rats lung parenchyma with zinc deprivation.

"13-8800 was used in immunohistochemistry to study the effect of zinc deficiency on airway epithelium"

Authors: Biaggio VS,Alvarez-Olmedo DG,Perez Chaca MV,Salvetti NR,Valdez SR,Fanelli MA,Ortega HH,Gomez NN, Gimenez MS

Species
Rat

Dilution
1:200

Year
2014

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

More applications with references on thermofisher.com

IHC (P) (10)

ICC/IF (2)

Flow (2)

IP (2)

Misc (9)

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