

## Bcl-2 (Apoptosis & Follicular Lymphoma Marker) Antibody

Mouse Monoclonal Antibody [Clone 100/D5]

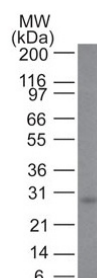
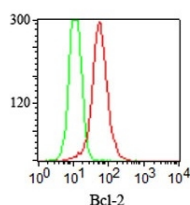
Catalog No	Format	Size
596-MSM1-P0	Purified Ab with BSA and Azide	200ug/ml
596-MSM1-P1	Purified Ab with BSA and Azide	200ug/ml
596-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunofluorescence (IF)	1-3ug/ml
Immunohistochemistry (IHC)	1-2ug/ml
Western Blot (WB)	2-4ug/ml

Product Details	
<b>Clone</b>	100/D5
<b>Gene Name</b>	BCL2
<b>Immunogen</b>	A synthetic peptide, aa41-54 (GAAPAPGIFSSQPG-Cys) of human Bcl-2 protein.
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	25-26kDa
<b>Cellular Localization</b>	Cytoplasm, Endoplasmic reticulum membrane, Mitochondrion outer membrane, Nucleus membrane
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	Jurkat or HeLa cells. Human tonsil or follicular lymphomas., MCF-7

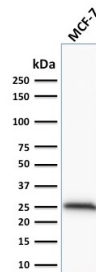
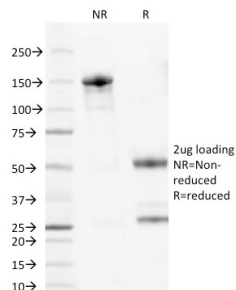
*\*Optimal dilution for a specific application should be determined.*

### Product Images for Bcl-2 (Apoptosis & Follicular Lymphoma Marker) Antibody



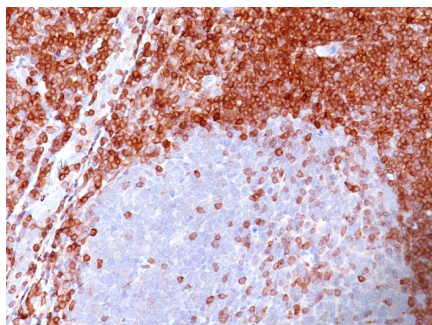
Intracellular staining of Bcl-2 in Jurkat cells. Bcl-2 Mouse Monoclonal Antibody (100/D5) (red); isotype control (green).

Western Blot Analysis of Bcl-2 in human skin tissue lysate using Bcl-2 Mouse Monoclonal Antibody (100/D5).



SDS-PAGE Analysis of Purified Bcl-2 Mouse Monoclonal Antibody (100/D5). Confirmation of Integrity and Purity of Antibody.

Western blot analysis of MCF-7 cell lysate using Bcl-2 Mouse Monoclonal Antibody (100/D5).



Formalin-fixed, paraffin-embedded human non-Hodgkin's lymphoma stained with Bcl-2 Mouse Monoclonal Antibody (100/D5).

### Specificity & Comments

This antibody recognizes a protein of 25-26kDa, identified as the bcl-2 lpha oncoprotein. It shows no cross-reaction with Bcl-x or Bax protein. Expression of bcl-2 lpha oncoprotein inhibits the programmed cell death (apoptosis). In most follicular lymphomas, neoplastic germinal centers express high levels of bcl-2 lpha protein, whereas the normal or hyperplastic germinal centers are negative. Consequently, this antibody is valuable when distinguishing between reactive and neoplastic follicular proliferation in lymph node biopsies. It may also be used in distinguishing between those follicular lymphomas that express bcl-2 protein and the small number in which the neoplastic cells are bcl-2 negative.

### Research Areas

AKT Signaling, Apoptosis, Autophagy, Basal Cell Marker, Cardiovascular, Cytokine Signaling, Immunology, Lung Cancer, Mitochondria Marker, Neuroinflammation, Signal Transduction

### Known Applications & Suggested Dilutions

Flow Cytometry (1-2ug/million cells) | Immunofluorescence (1-2ug/ml) | Western Blot (1-2ug/ml) | ,Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT),(Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95 &degC followed by cooling at RT for 20 minutes),Optimal dilution for a specific application should be determined.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.