

## Bax (Apoptosis Marker) Antibody

Mouse Monoclonal Antibody [Clone SPM336]

Catalog No	Format	Size
581-MSM1X-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
581-MSM1X-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
581-MSM1X-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

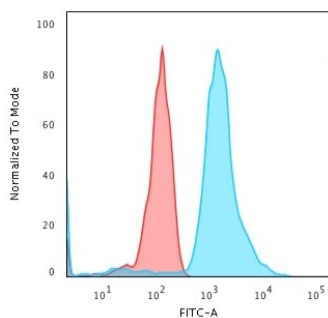
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

### Product Details

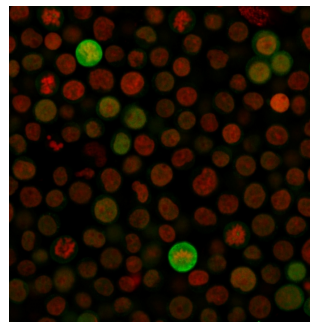
<b>Clone</b>	SPM336
<b>Gene Name</b>	BAX
<b>Immunogen</b>	A synthetic peptide, aa 3-16 (Cys-GSGEQPRGGGPTSS) of human bax protein.
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG1 / Kappa
<b>Mol. Weight of Antigen</b>	21kDa
<b>Cellular Localization</b>	Cytoplasm, Mitochondrion outer membrane
<b>Species Reactivity</b>	Human, Monkey
<b>Positive Control</b>	HL-60 or HeLa cells. Reed-Sternberg cells in Hodgkin s lymphoma., Jurkat, K562

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

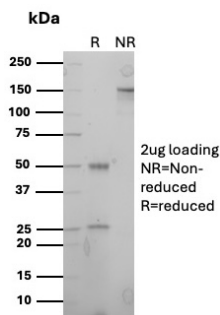
### Product Images for Bax (Apoptosis Marker) Antibody



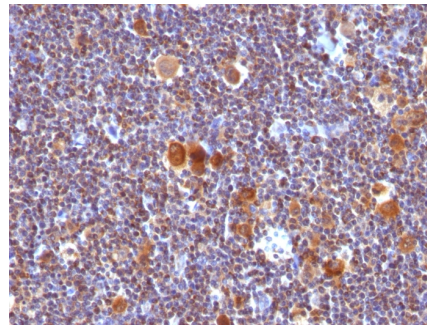
Flow Cytometric Analysis of human Jurkat cells using BAX Mouse Monoclonal Antibody (2D2) followed by Goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Immunofluorescence Analysis of Jurkat cells labeling BAX with Bax Monoclonal Antibody (Clone SPM33) followed by Goat anti-Mouse IgG-CF488 (Green).The nuclear counterstain is NucSpot-Æ.



SDS-PAGE Analysis of Purified Apoptosis regulator BAX Mouse Monoclonal Antibody (SPM336). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human Hodgkin's Lymphoma stained with Bax Monoclonal Antibody (Clone SPM33).

### Specificity & Comments

Recognizes a protein of 21kDa, identified as the Bax protein. This MAb is highly specific to Bax and shows no cross-reaction with Bcl-2 or Bcl-X protein. Bcl-2 blocks cell death following a variety of stimuli. Bax has extensive amino acid homology with Bcl-2 and it homodimerizes and forms heterodimers with Bcl-2. Overexpression of Bax accelerates apoptotic death induced by cytokine deprivation in an IL-3 dependent cell line, and Bax also counters the death repressor activity of Bcl-2.

### 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.

### Research Areas

AKT Signaling, Apoptosis, Autophagy, Breast Cancer, Cancer, Cardiovascular, Colon Cancer, Complement System, Lung Cancer, Ovarian Cancer, Signal Transduction, Transcription Factors

### 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.