Bax (Apoptosis Marker) Antibody

Mouse Monoclonal Antibody [Clone 2D2]

Catalog No	Format	Size
581-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
581-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
581-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

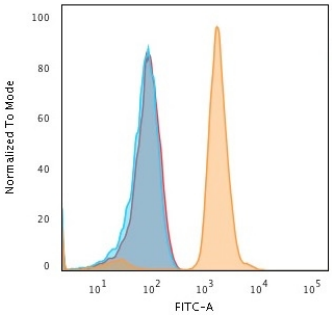
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling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

Product Details

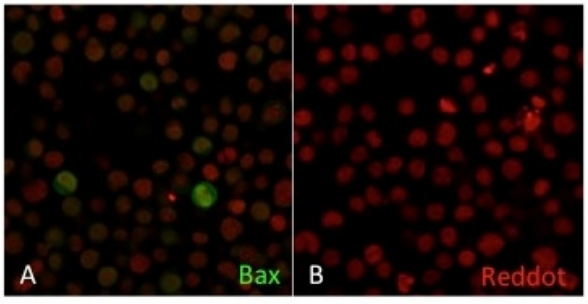
Clone	2D2
Gene Name	BAX
Immunogen	A synthetic peptide, aa 3-16 (Cys-GSGEQPRGGGPTSS) of human bax protein.
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	21kDa
Cellular Localization	Cytoplasm, Mitochondrion outer membrane
Species Reactivity	Human, Monkey
Positive Control	A-549 cells, HL-60 or HeLa cells. Reed-Sternberg cells in Hodgkin's lymphoma., Jurkat, K562

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

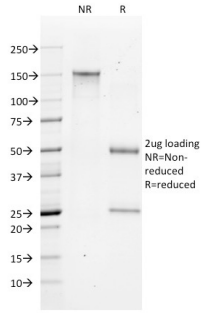
Product Images for Bax (Apoptosis Marker) Antibody



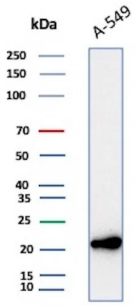
Flow Cytometric Analysis of human Jurkat cells using Bax Mouse Monoclonal Antibody (2D2) followed by Goat anti-Mouse IgG-CF488 (Orange); cells alone (Blue); Isotype Control (Red).



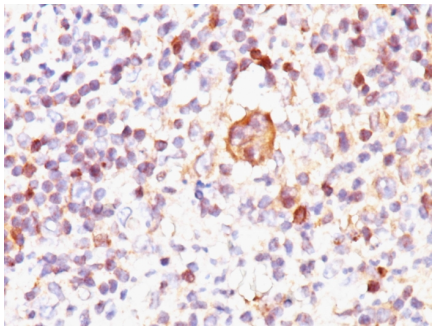
Confocal Immunofluorescence of Human Jurkat cells A. Bax MouseMonoclonal Antibody (Clone 2D2) B. Goat anti Mouse CF488. labeled with CF488 (Green); Reddot is used to label the nuclei.



SDS-PAGE Analysis of Purified Bax Mouse Monoclonal Antibody (2D2). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of A-549 lysate using Bax Mouse Monoclonal Antibody (2D2).



Formalin-fixed, paraffin-embedded human Hodgkin's Lymphoma stained with Bax Mouse Monoclonal Antibody (2D2).

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.

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