

Anti-Bax Antibody [clone SPM336] (V9071)

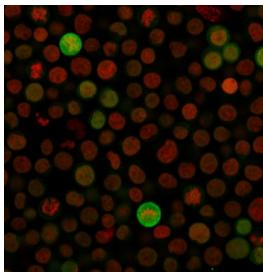
Catalog No.	Formulation	Size
V9071-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9071-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9071SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9071IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml



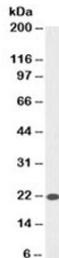
Citations (3)

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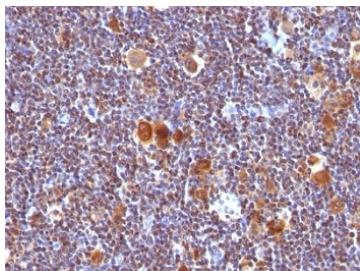
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM336
Purity	Protein G affinity chromatography
UniProt	Q07812
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/10 ⁶ cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This anti-Bax antibody is available for research use only.



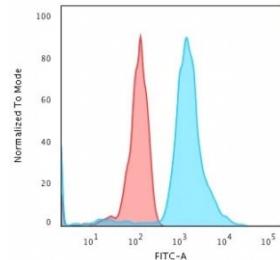
Immunofluorescent staining of fixed human Jurkat cells with anti-Bax antibody (clone SPM336, green) and NucSpot nuclear stain (red).



Western blot testing of HeLa cell lysate with anti-Bax antibody (clone SPM336). Observed molecular weight ~21 kDa.



IHC analysis of formalin-fixed, paraffin-embedded human Hodgkin's lymphoma stained with anti-Bax antibody (clone SPM336).



Flow cytometry testing of fixed human Jurkat cells with anti-Bax antibody (clone SPM336); Red=isotype control, Blue= anti-Bax antibody.

Description

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.

Application Notes

The optimal dilution of the anti-Bax antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 10-20 min followed by cooling at RT for 20 minutes.
2. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Amino acids 3-16 (GSGEQPRGGGPTSS) from the human protein were used as the immunogen for this anti-Bax antibody.

Storage

Store the anti-Bax antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).