

## Anti-Bax Antibody [clone SPM336] (V9071)

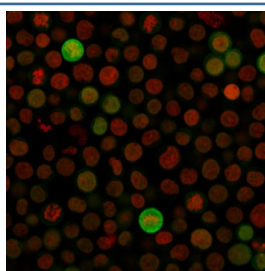
Catalog No.	Formulation	Size
V9071-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V9071-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V9071SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V9071IHC-7ML	Prediluted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



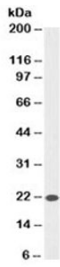
Citations (3)

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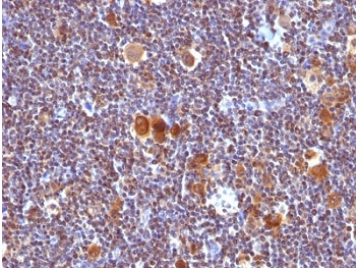
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	SPM336
Purity	Protein G affinity chromatography
UniProt	Q07812
Localization	Cytoplasmic
Applications	Western Blot : 1-2ug/ml Flow Cytometry : 1-2ug/10 <sup>6</sup> 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.



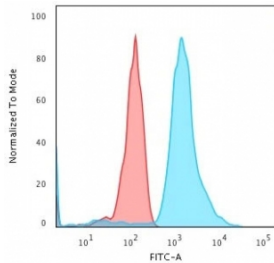
Immunofluorescent staining of fixed human Jurkat cells with anti-Bax antibody (clone SPM336, green) and NucSpot nuclear stain (red).



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).

