

## 36-1627: Monoclonal Antibody to Bax (Apoptosis Marker)(Clone : 2D2)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	2D2
<b>Application :</b>	FACS,IF,WB,IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	BAX
<b>Gene ID :</b>	581
<b>Uniprot ID :</b>	Q07812
<b>Format :</b>	Purified
<b>Alternative Name :</b>	BAX,BCL2L4
<b>Isotype :</b>	Mouse IgG1, kappa
<b>Immunogen Information :</b>	A synthetic peptide, aa 3-16 (Cys-GSGEQPRGGGPTSS) of human bax protein.

### Description

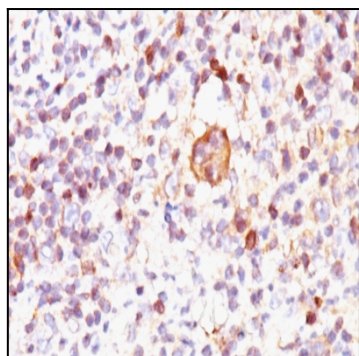
Recognizes a protein of 21kDa, identified as the Bax protein. This MAb is highly specific to Bax and shows no cross-reaction with Bcl-2 or Bcl-X protein. Bcl-2 blocks cell death following a variety of stimuli. Bax has extensive amino acid homology with Bcl-2 and it homodimerizes and forms heterodimers 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.

### Product Info

<b>Amount :</b>	100 µg
<b>Purification :</b>	Affinity Chromatography
<b>Content :</b>	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
<b>Storage condition :</b>	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

### Application Note

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 1mM EDTA buffer, pH 7.5-8.5, for 45 min at 95&degC followed by cooling at RT for 20 minutes)



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