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

Clonality: Monoclonal

Clone Name: 2D2

Application: FACS,IF,WB,IHC

Reactivity: Human

Gene: BAX

Gene ID: 581

Uniprot ID: Q07812

Format: Purified

Alternative Name: BAX,BCL2L4

Isotype: Mouse IgG1, kappa

Immunogen Information: 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

Amount : 100 μg

Purification: Affinity Chromatography

Content: 100 μg in 500 μl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly

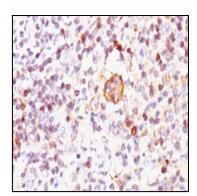
toxic.

Storage condition : 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°C followed by cooling at RT for 20 minutes)



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