

Anti-Bax (Apoptosis Marker) Monoclonal Antibody

Catalog Number: M00183

About BAX

Recognizes a protein of 21kDa, identified as the Bax protein. This monoclonal antibody 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.

Overview

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|----------------------|---|
| Product Name | Anti-Bax (Apoptosis Marker) Monoclonal Antibody |
| Reactive Species | Human, Monkey |
| Description | Boster Bio Anti-Bax (Apoptosis Marker) Monoclonal Antibody (Catalog # M00183). Tested in Flow Cytometry, IHC applications. This antibody reacts with Human, Monkey. |
| Conjugate | Biotin |
| Application | Flow Cytometry, IHC |
| Clonality | Monoclonal Clone: BAX/962 |
| Formulation | Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml. |
| Storage Instructions | 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. |
| Host | Mouse |
| Uniprot ID | Q07812 |

Technical Details

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|----------------------------|--|
| Immunogen | Recombinant full-length human BAX protein. |
| Predicted Reactive Species | Chimpanzee |
| Isotype | IgG1, kappa |
| Form | Liquid |
| Concentration | Purified antibody with BSA and azide at 200ug/ml |
| Purification | 200ug/ml of antibody purified from Bioreactor Concentrate by Protein A/G. |
| Suggested Dilutions | Dilute the sample so that the expected range of concentrations fall within the detection range of this |

kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

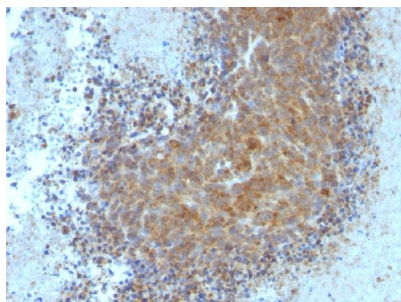
Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

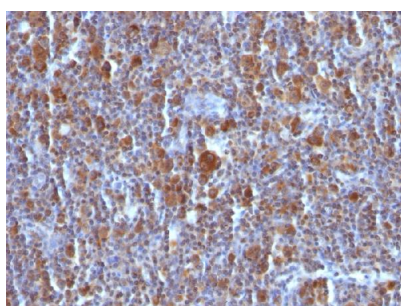
Flow Cytometry (1-2ug/million cells)

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 8.0, for 45 min at 95°C followed by cooling at RT for 20 minutes)Optimal dilution for a specific application should be determined.

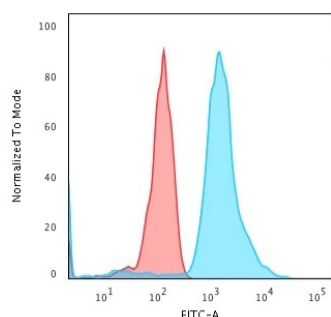
Anti-Bax (Apoptosis Marker) Monoclonal Antibody (M00183) Images



Formalin-fixed, paraffin-embedded human Melanoma stained with Anti-BAX Mouse Monoclonal Antibody



Formalin-fixed, paraffin-embedded Hodgkin's Lymphoma stained with Anti-BAX Mouse Monoclonal Antibody (BAX/962).



Flow Cytometric analysis of Jurkat cells using Anti-Bax Mouse Monoclonal Antibody followed by Goat anti-mouse IgG-CF488 (Blue); Isotype Control (Red).

18 Publications Citing This Product

1. PubMed ID: 32427716, Wu J, Qu JQ, Zhou YJ, Zhou YJ, Li YY, Huang NQ, Deng CM, Luo Y. Icariin improves cognitive deficits by reducing the deposition of beta-amyloid peptide and inhibition of neurons apoptosis in SAMP8 mice. *Neuroreport*. 2020 Jun 7;31(9):663-671. doi:10.1097/WNR.0000000000000000
2. PubMed ID: 32104190, Chai BY, Gong FK, Chen ZH, Li ZX, Zhang B. System Prediction and Validation of TCM for Chronic Myeloid Leukemia Treatment from the Perspective of Low-Toxicity Chemotherapy: A Stilbene alpha-Viniferin Has a Proapoptotic Effect on K562 Cells via the Mitochondrial Pa
3. PubMed ID: 33281970, Wang P, Wang C, Liu C. Antitumor effects of dioscin in A431 cells via adjusting ATM/p53-mediated cell apoptosis, DNA damage and migration. *Oncol Lett*. 2021 Jan;21(1):59. doi:10.3892/ol.2020.12321. Epub 2020 Nov 19. PMID:33281970; PMCID:PMC7709553.

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