

For Research Use Only

# CoraLite®488-conjugated BAX Monoclonal antibody



Catalog Number: CL488-60267

## Basic Information

<b>Catalog Number:</b> CL488-60267	<b>GenBank Accession Number:</b> BC014175	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100UL, Concentration: 1000 µg/ml by 581 Nanodrop;	<b>GeneID (NCBI):</b> 581	<b>CloneNo.:</b> 4G5E8
<b>Source:</b> Mouse	<b>Full Name:</b> BCL2-associated X protein	<b>Excitation/Emission maxima wavelengths:</b> 488 nm/515 nm
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 21 kDa	
<b>Immunogen Catalog Number:</b> AG21068	<b>Observed MW:</b> 21 kDa	

## Applications

**Tested Applications:**  
FC

**Species Specificity:**  
human, mouse, rat

## Background Information

BAX, also named as BCL2L4, is a pro-apoptotic member of the Bcl-2 protein family, which plays a pivotal role in controlling cell life and death. Bax largely localizes to the cytoplasm of healthy cells, but accumulates on the outer mitochondrial membrane upon apoptosis induction (PMID: 9108035). BAX can commit a cell to apoptosis by translocation from the cytosol to the mitochondria and permeabilization of the outer mitochondrial membrane, which leads to the release of cytochrome c from mitochondria (PMID: 21763611). The expression of BAX is upregulated by the tumor suppressor protein p53, and BAX has been shown to be involved in p53-mediated apoptosis (PMID: 8183579).

## Storage

**Storage:**  
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

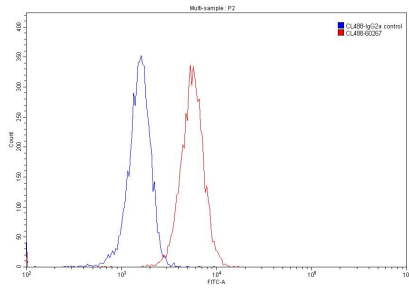
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



1X10<sup>6</sup> HeLa cells were stained with 0.20ug BAX antibody (CL488-60267, red) and control antibody (blue). Fixed with 90% MeOH.