

For Research Use Only

CoraLite® Plus 647-conjugated BAX Monoclonal antibody



Catalog Number:CL647-60267

Basic Information

Catalog Number: CL647-60267	GenBank Accession Number: BC014175	Purification Method: Protein A purification
Size: 1000 µg/ml	GeneID (NCBI): 581	CloneNo.: 4G5E8
Source: Mouse	UNIPROT ID: Q07812	Recommended Dilutions: IF 1:50-1:500
Isotype: IgG2b	Full Name: BCL2-associated X protein	Excitation/Emission maxima wavelengths: 654 nm / 674 nm
Immunogen Catalog Number: AG21068	Calculated MW: 21 kDa	
	Observed MW: 21 kDa	

Applications

Tested Applications: FC (Intra), IF/ICC	Positive Controls: IF : HeLa cells,
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 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

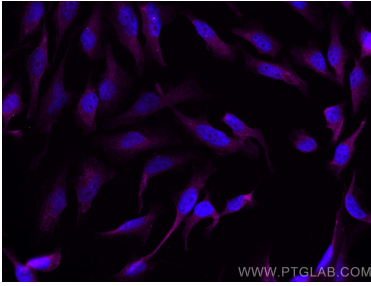
T: 4006900926

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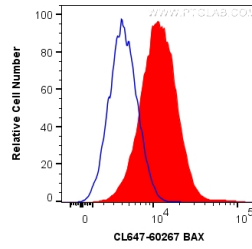
W: ptgcn.com

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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using CoraLite® Plus 647 BAX antibody (CL647-60267, Clone: 4G5E8) at dilution of 1:100.



1X10⁶ HeLa cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human BAX (CL647-60267, Clone:4G5E8) (red), or 0.2 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).