

# CoraLite® Plus 647-conjugated BAX Monoclonal antibody

Catalog Number: **CL647-60267**

## Basic Information

**Catalog Number:**

CL647-60267

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG2b

**Immunogen Catalog Number:**

AG21068

**GenBank Accession Number:**

BC014175

**GeneID (NCBI):**

581

**UNIPROT ID:**

Q07812

**Full Name:**

BCL2-associated X protein

**Calculated MW:**

21 kDa

**Observed MW:**

21 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

4G5E8

**Recommended Dilutions:**

IF 1:50-1:500

**Excitation/Emission maxima wavelengths:**

654 nm / 674 nm

## Applications

**Tested Applications:**

FC (Intra), IF/ICC

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

IF : HeLa cells,

## 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:**

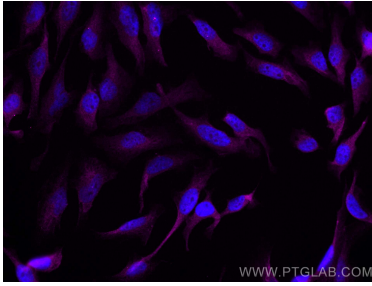
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

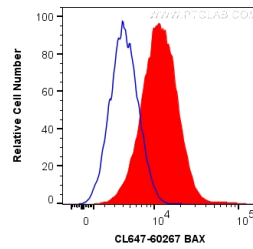
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## 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.



1X10<sup>6</sup> 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).