

Basic Information

Product Name	Anti-Bcl-XL/BCL2L1 Antibody
Gene Name	BCL2L1
Source	Rabbit
Isotype	IgG
Species Reactivity	human
Tested Application	FCM
Contents	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N.
Immunogen	E.coli-derived human Bcl-XL recombinant protein (Position: M1-T219). Human Bcl-XL shares 97.9% amino acid (aa) sequence identity with both mouse and rat Bcl-XL.
fluorophores	Amax=488nm; Emax=515-545nm
Conjugate	DyLight 488
concentration	500ug/ml
Purification	Immunogen affinity purified.
Dilution Ratios	Flow cytometry (FCM):1-3 µg/1x10 ⁶ cells

Storage

At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.

Background Information

Bcl-2-like protein 1, also known as Bcl-XL, is a protein that in humans is encoded by the BCL2L1 gene. The protein encoded by this gene belongs to the BCL-2 protein family. BCL-2 family members form hetero- or homodimers and act as anti- or pro-apoptotic regulators that are involved in a wide variety of cellular activities. The proteins encoded by this gene are located at the outer mitochondrial membrane, and have been shown to regulate outer mitochondrial membrane channel (VDAC) opening. VDAC regulates mitochondrial membrane potential, and thus controls the production of reactive oxygen species and release of cytochrome C by mitochondria, both of which are the potent inducers of cell apoptosis. Alternative splicing results in multiple transcript variants encoding two different isoforms. The longer isoform (Bcl-xL) acts as an apoptotic inhibitor and the shorter form (Bcl-xS) acts as an apoptotic activator.

Selected Validation Data

Product datasheet

Anti-Bcl-XL/BCL2L1 Antibody

Catalog Number: **A00181-Dyl488**

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