Recombinant Human Bcl-2 Protein

Catalog No.: RP00062

Sequence Information

Species
Human

Gene ID
596

Swiss Prot
P10415

Tags
No tag

Synonyms
BCL2, Bcl-2, PPP1R50, apoptosis regulator Bcl-2,Bcl-2,PPP1R50

Product Information

Source
E. coli

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
23.18 kDa

Observed MW
25-30 kDa

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution of 20mM HEPES,50mM KCl,pH 7.5.Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

This protein is an integral outer mitochondrial membrane protein that blocks the apoptotic death of some cells such as lymphocytes. Constitutive expression of BCL2, such as in the case of translocation of BCL2 to Ig heavy chain locus, is thought to be the cause of follicular lymphoma.

Basic Information

Description
Recombinant Human Bcl-2 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Ala2-Asp211) of human BCL2 (Accession #NP_000624.2) fused with no tags.

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human BCL-XL Protein at 2 μg/mL (100 μL/well) can bind BCL2 (Catalog: RP00062) with a linear range of1.95-126.76ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

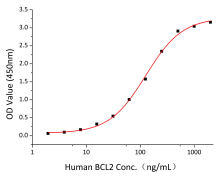
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

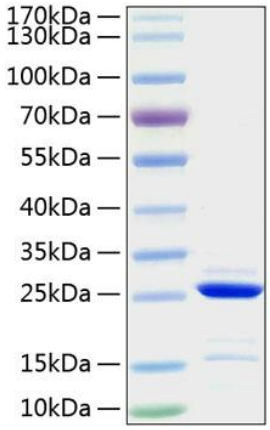
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Validation Data



Immobilized Human BCL-XL Protein at 2 μg/mL (100 μL/well) can bind BCL2 (Catalog: RP00062) with a linear range of1.95-126.76ng/mL.



Recombinant Human Bcl-2 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.