

## Rat B-cell CLL/lymphoma 2 (BCL2) ELISA Kit

Catalog No: #EK11958



Package Size: #EK11958-1 48T #EK11958-2 96T

Orders: order@signalwayantibody.com

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## Description

Product Name	Rat B-cell CLL/lymphoma 2 (BCL2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat ( <i>Rattus norvegicus</i> )
Other Names	Bcl-2; B-cell lymphoma protein 2 OTTHUMP00000163680
Accession No.	P49950
Uniprot	P49950
GeneID	24224;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:78-5000 pg/mL

Sensitivity:28 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate BCL2 in samples. An antibody specific for BCL2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyBCL2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BCL2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of BCL2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Bcl-2) was one of the first oncogenic proteins discovered to inhibit apoptosis. The Bcl-2 family of proteins plays a crucial role in the regulation of cell death in many eukaryotic systems. Bcl-2 is a 26 kD protein associated with cell survival.Bcl-2 is localized within the outer mitochondrial membrane, endoplasmic reticulum, and the nuclear envelope, where it exerts cell survival functions within many cell types. These functions include ion-conducting channel formation, integral protection from cytotoxic agents, inhibition of proteins that activate caspases responsible for disassembling cells, as well as the ability to modulate cell cycle initiation.

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Note: This product is for in vitro research use only