Human Bcl-2-like protein 1(BCL2L1) ELISA kit

Product Code	CSB-EL002613HU
Abbreviation	BCL2L1
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	BCL2-like 1
Uniprot No.	Q07817
Alias	BCL-XL/S, BCL2L, BCLX, Bcl-X, DKFZp781P2092, bcl-xL, bcl-xS, OTTHUMP00000030550
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.625 ng/mL-40 ng/mL
Sensitivity	0.156 ng/mL
Assay Time	1-5h
Sample Volume	50-100ul
Detection Wavelength	450 nm
Lead Time	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
Research Area	Cell Biology
Gene Names	BCL2L1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human BCL2L1 ELISA Kit was designed for the quantitative measurement of Human BCL2L1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 ng/mL.
Target Details	This protein 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. Two alternatively spliced transcript variants, which encode distinct isoforms, have been reported. The longer isoform acts as an apoptotic inhibitor and the shorter form acts as an apoptotic activator.

Product Precision

Intra-assay Precision (Precision within an assay): CV%<8%

Three samples of known concentration were tested twenty times on one plate to assess.

Inter-assay Precision (Precision between assays): CV%<10%

Three samples of known concentration were tested in twenty assays to assess.

Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of human BCL2L1 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

?	Sample	Serum(n=4)
1:1	Average %	91
	Range %	88-95
1:2	Average %	95
	Range %	90-100
1:4	Average %	97
	Range %	94-103
1:8	Average %	101
	Range %	96-105

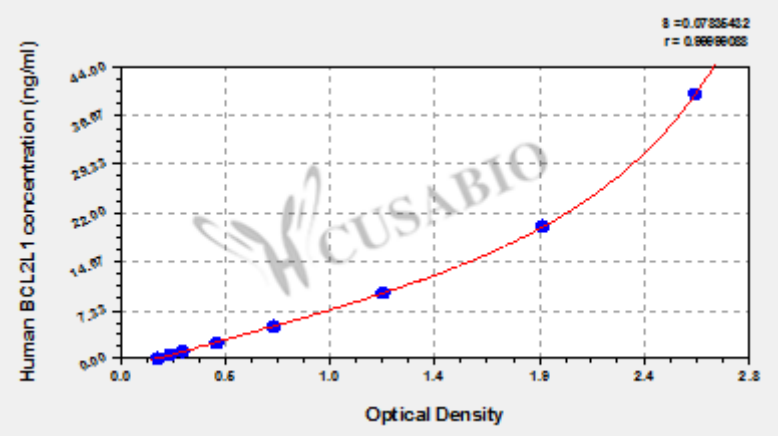
Recovery

The recovery of human BCL2L1 spiked to levels throughout the range of the assay in various matrices was evaluated. Samples were diluted prior to assay as directed in the Sample Preparation section.

Sample Type	Average % Recovery	Range
Serum (n=5)	90	87-94
EDTA plasma (n=4)	96	94-101

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



ng/ml	OD1	OD2	Average	Corrected
40	2.613	2.545	2.579	2.396
20	1.947	1.855	1.901	1.718
10	1.155	1.224	1.190	1.007
5	0.723	0.684	0.704	0.521
2.5	0.458	0.440	0.449	0.266
1.25	0.302	0.292	0.297	0.114
0.625	0.233	0.241	0.237	0.054
0	0.188	0.177	0.183	?

Msds

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