



Human Bcl-2-like protein 11(BCL2L11) ELISA kit

Product Code	CSB-EL002615HU
Abbreviation	BCL2L11
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	BCL2-like 11 (apoptosis facilitator)
Uniprot No.	O43521
Alias	BAM, BIM, BIM-alpha6, BIM-beta6, BIM-beta7, BOD, BimEL, BimL, BCL2-like 11 OTTHUMP00000197013 bcl-2 interacting mediator of cell death bcl-2 interacting protein Bim bcl-2-related ovarian death agoni
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	23.44 pg/mL-1500 pg/mL
Sensitivity	5.86 pg/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	BCL2L11
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human BCL2L11 ELISA Kit was designed for the quantitative measurement of Human BCL2L11 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 23.44 pg/mL-1500 pg/mL and the sensitivity is 5.86 pg/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. This protein contains a Bcl-2 homology domain 3 (BH3). It has been shown to interact with other members of the BCL-2 protein family, including BCL2, BCL2L1/BCL-X(L), and MCL1, and to act as an apoptotic activator. The expression of this gene can be induced by



nerve growth factor (NGF), as well as by the forkhead transcription factor FKHR-L1, which suggests a role of this gene in neuronal and lymphocyte apoptosis. Transgenic studies of the mouse counterpart suggested that this gene functions as an essential initiator of apoptosis in thymocyte-negative selection. Several alternatively spliced transcript variants of this gene have been identified.

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 BCL2L11 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 %	96
	Range %	90-102
1:2	Average %	92
	Range %	84-97
1:4	Average %	99
	Range %	95-105
1:8	Average %	97
	Range %	92-104

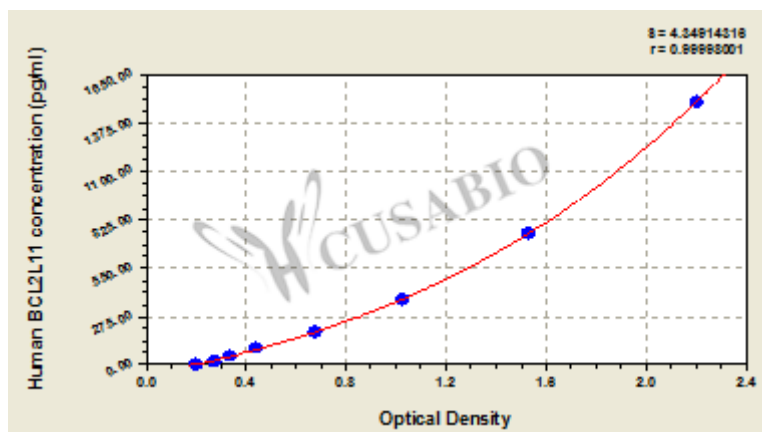
Recovery

The recovery of human BCL2L11 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)	96	90-102
EDTA plasma (n=4)	102	98-108

Typical

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



pg/ml	OD1	OD2	Average	Corrected
1500	2.194	2.187	2.191	1.991
750	1.506	1.537	1.522	1.322
375	1.012	1.036	1.024	0.824
187.5	0.659	0.689	0.674	0.474
93.75	0.445	0.426	0.436	0.236
46.88	0.345	0.324	0.335	0.135
23.44	0.260	0.282	0.271	0.071
0	0.201	0.198	0.200	?

Msds

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