Human Bcl-2-related protein A1(BCL2A1) ELISA kit

Product Code	CSB-EL002612HU
Abbreviation	BCL2A1
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	BCL2-related protein A1
Uniprot No.	Q16548
Alias	ACC-1, ACC-2, BCL2L5, BFL1, GRS, HBPA1, hematopoietic BCL2-related protein A1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.81 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	BCL2A1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human BCL2A1 ELISA Kit was designed for the quantitative measurement of Human BCL2A1 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.81 pg/mL.
Target Details	This gene encodes a member of the BCL-2 protein family. The proteins of this family form hetero- or homodimers and act as anti- and pro-apoptotic regulators that are involved in a wide variety of cellular activities such as embryonic development, homeostasis and tumorigenesis. This protein is able to reduce the

release of pro-apoptotic cytochrome c from mitochondria and block caspase activation. This gene is a direct transcription target of NF-kappa B in response to inflammatory mediators, and is up-regulated by different extracellular signals, such as granulocyte-macrophage colony-stimulating factor (GM-CSF), CD40, phorbol ester and inflammatory cytokine TNF and IL-1, which suggests a cytoprotective function that is essential for lymphocyte activation as well as cell survival. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

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 BCL2A1 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 %	86
	Range %	80-94
1:2	Average %	97
	Range %	91-100
1:4	Average %	96
	Range %	92-101
1:8	Average %	94
	Range %	89-98

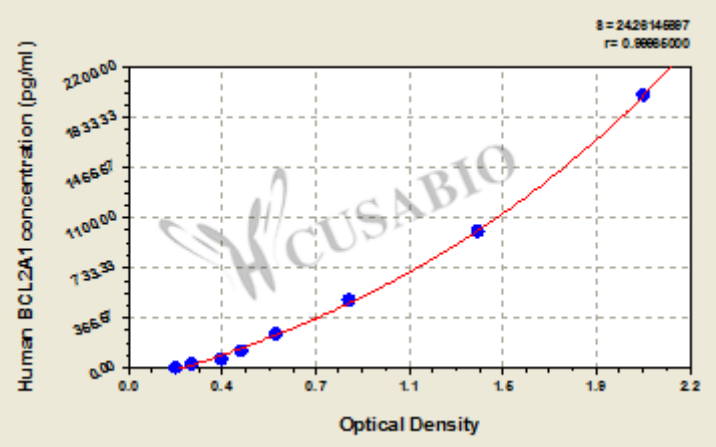
Recovery

The recovery of human BCL2A1 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)	95	90-98
EDTA plasma (n=4)	97	92-100

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
2000	2.118	1.952	2.035	1.845
1000	1.426	1.338	1.382	1.192
500	0.894	0.854	0.874	0.684
250	0.592	0.581	0.587	0.397
125	0.455	0.438	0.447	0.257
62.5	0.373	0.365	0.369	0.179
31.25	0.253	0.250	0.252	0.062
0	0.190	0.189	0.190	?

Msds

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