



Human Baculoviral IAP repeat-containing protein 2(BIRC2) ELISA kit

Product Code	CSB-EL002703HU
Abbreviation	BIRC2
Protein Biological Process 1	Apoptosis/Autophagy
Target Name	baculoviral IAP repeat-containing 2
Uniprot No.	Q13490
Alias	API1, HIAP2, Hiap-2, MIHB, RNF48, c-IAP1, cIAP1, NFR2-TRAF signalling complex protein apoptosis inhibitor 1 baculoviral IAP repeat-containing protein 2
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Apoptosis
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	23.5 pg/mL-1500 pg/mL
Sensitivity	5.8 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	BIRC2
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human BIRC2 ELISA Kit was designed for the quantitative measurement of Human BIRC2 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 23.5 pg/mL-1500 pg/mL and the sensitivity is 5.8 pg/mL.

Target Details

This protein is a member of a family of proteins that inhibits apoptosis by binding to tumor necrosis factor receptor-associated factors TRAF1 and TRAF2, probably by interfering with activation of ICE-like proteases. This encoded protein inhibits apoptosis induced by serum deprivation and menadione, a



potent inducer of free radicals.

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 BIRC2 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)
	Average %	93
1:1	Range %	83-97
	Average %	86
1:2	Range %	81-92
	Average %	94
1:4	Range %	897-98
	Average %	103
1:8	Range %	96-107

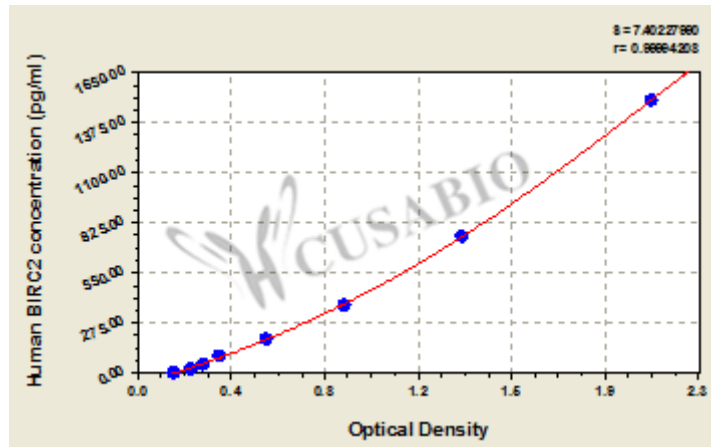
Recovery

The recovery of human BIRC2 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)	89	82-94
EDTA plasma (n=4)	101	97-106

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	2.096	2.113	2.105	1.947
750	1.278	1.387	1.333	1.175
375	0.839	0.867	0.853	0.695
187.5	0.556	0.515	0.536	0.378
94	0.340	0.348	0.344	0.186
47	0.277	0.287	0.282	0.124
23.5	0.225	0.231	0.228	0.070
0	0.157	0.158	0.158	?

Msds

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