



Human Bromodomain-containing protein 4(BRD4) ELISA kit

Product Code	CSB-EL002802HU
Abbreviation	BRD4
Protein Biological Process 1	Immunity
Target Name	bromodomain containing 4
Uniprot No.	O60885
Alias	CAP, HUNK1, HUNKI, MCAP, bromodomain-containing 4 bromodomain-containing protein 4 chromosome-associated protein
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Host-virus interaction
Sample Types	serum, plasma, tissue homogenates
Detection Range	18.75 pg/mL-1200 pg/mL
Sensitivity	4.68 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	Immunology
Gene Names	BRD4
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human BRD4 ELISA Kit was designed for the quantitative measurement of Human BRD4 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 18.75 pg/mL-1200 pg/mL and the sensitivity is 4.68 pg/mL.
Target Details	This protein is homologous to the murine protein MCAP, which associates with chromosomes during mitosis, and to the human RING3 protein, a serine/threonine kinase. Each of these proteins contains two bromodomains, a conserved sequence motif which may be involved in chromatin targeting. This



gene has been implicated as the chromosome 19 target of translocation t(15;19)(q13;p13.1), which defines an upper respiratory tract carcinoma in young people. Two alternatively spliced transcript variants have been described.

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 BRD4 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 %	89
	Range %	82-95
1:2	Average %	87
	Range %	80-93
1:4	Average %	90
	Range %	83-98
1:8	Average %	95
	Range %	90-102

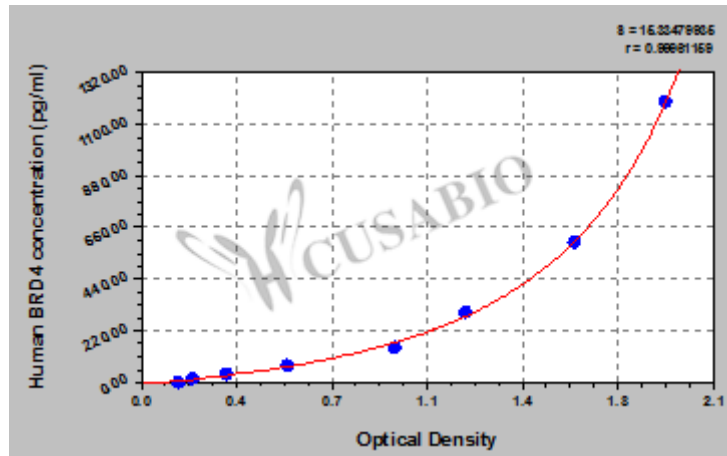
Recovery

The recovery of human BRD4 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)	97	92-107
EDTA plasma (n=4)	85	80-90

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
1200	1.963	1.903	1.933	1.779
600	1.624	1.573	1.599	1.445
300	1.217	1.182	1.200	1.046
150	0.952	0.934	0.943	0.789
75	0.571	0.526	0.549	0.395
37.5	0.335	0.317	0.326	0.172
18.75	0.206	0.199	0.203	0.049
0	0.159	0.148	0.154	?

Msds

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