Human Heat shock cognate 71 kDa protein(HSPA8) ELISA kit

Product Code	CSB-EL010829HU
Abbreviation	HSPA8
Protein Biological Process 1	Immunity
Target Name	heat shock 70kDa protein 8
Uniprot No.	P11142
Alias	HSC54, HSC70, HSC71, HSP71, HSP73, HSPA10, LAP1, MGC131511, MGC29929, NIP71, LPS-associated protein 1|N-myristoyltransferase inhibitor protein 71|constitutive heat shock protein 70|heat shock 70kD p
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Host-virus interaction
Sample Types	serum, plasma, tissue homogenates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 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	Immunology
Gene Names	HSPA8
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human HSPA8 ELISA Kit was designed for the quantitative measurement of Human HSPA8 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/mL.
Target Details	The product encoded by this gene belongs to the heat shock protein 70 family which contains both heat-inducible and constitutively expressed members. The latter are called heat-shock cognate proteins. This gene encodes a heat-shock

cognate protein. This protein binds to nascent polypeptides to facilitate correct folding. It also functions as an ATPase in the disassembly of clathrin-coated vesicles during transport of membrane components through the cell. Two alternatively spliced variants have been characterized to date.

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 HSPA8 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 %	89-99
1:2	Average %	88
	Range %	83-92
1:4	Average %	91
	Range %	84-95
1:8	Average %	100
	Range %	91-105

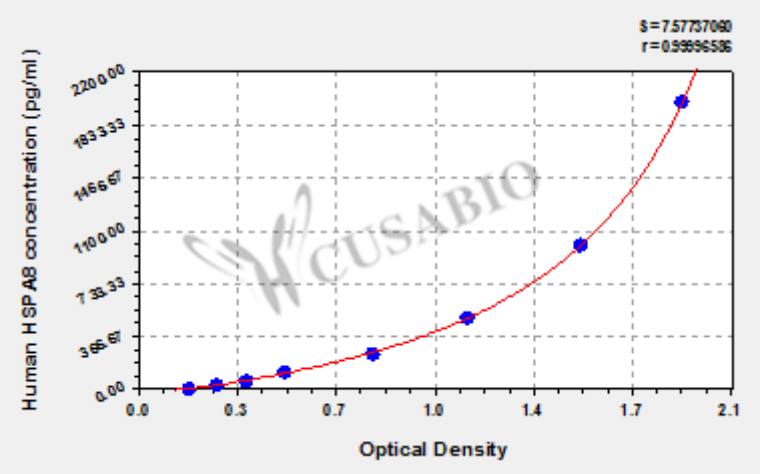
Recovery

The recovery of human HSPA8 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)	98	87-103

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	1.868	1.913	1.891	1.719
1000	1.545	1.527	1.536	1.364
500	1.166	1.124	1.145	0.973
250	0.803	0.825	0.814	0.642
125	0.501	0.514	0.508	0.336
62.5	0.378	0.371	0.375	0.203
31.25	0.279	0.266	0.273	0.101
0	0.175	0.169	0.172	?

Msds

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