Human Protein S100-A10(S100A10) ELISA kit

Product Code	CSB-EL020623HU
Abbreviation	S100A10
Target Name	S100 calcium binding protein A10
Uniprot No.	P60903
Alias	42C, ANX2L, ANX2LG, CAL1L, CLP11, Ca[1], GP11, MGC111133, P11, p10, OTTHUMP00000015270|S100 calcium binding protein A10 (annexin II ligand, calpactin I, light polypeptide (p11))|S100 calcium-binding
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 ng/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	Signal Transduction
Gene Names	S100A10
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human S100A10 ELISA Kit was designed for the quantitative measurement of Human S100A10 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/mL.
Target Details	This protein is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein may function in exocytosis and endocytosis.
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 S100A10 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 %	101
	Range %	97-104
1:2	Average %	108
	Range %	104-112
1:4	Average %	95
	Range %	91-98
1:8	Average %	89
	Range %	85-94

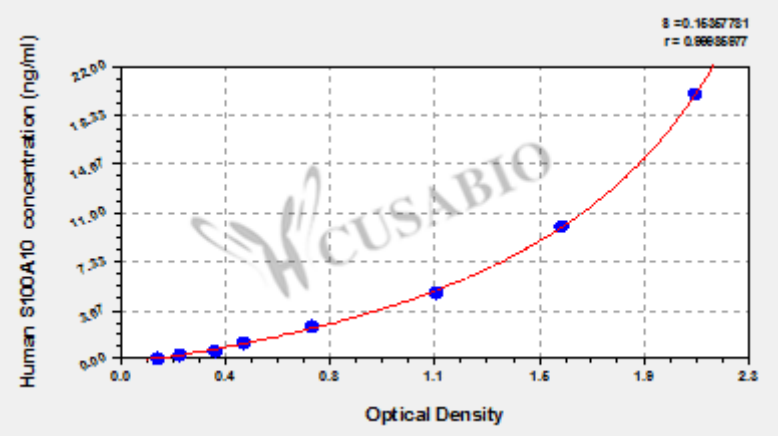
Recovery

The recovery of human S100A10 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)	105	103-109
EDTA plasma (n=4)	96	93-99

Typical

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



ng/ml	OD1	OD2	Average	Corrected
20	2.044	2.125	2.085	1.936
10	1.582	1.621	1.602	1.453
5	1.146	1.154	1.150	1.001
2.5	0.679	0.731	0.705	0.556
1.25	0.466	0.451	0.459	0.310
0.625	0.352	0.362	0.357	0.208
0.312	0.235	0.222	0.229	0.080
0	0.145	0.152	0.149	?

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