Human S100 calcium binding protein A6/calgranulin A(S100A6) ELISA Kit

Product Code	CSB-E13089h
Abbreviation	S100A6
Target Name	S100 calcium binding protein A6
Uniprot No.	P06703
Alias	2A9, 5B10, CABP, CACY, PRA, OTTHUMP00000015473|S100 calcium-binding protein A6|S100 calcium-binding protein A6 (calcyclin)|calcyclin|prolactin receptor-associated protein
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates
Detection Range	31.2 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	Epigenetics and Nuclear Signaling
Gene Names	S100A6
Tag Info	quantitative
Protein Description	Sandwich
Description	This Human S100A6 ELISA Kit was designed for the quantitative measurement of Human S100A6 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.2 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/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 stimulation of Ca2+-dependent insulin release, stimulation of prolactin secretion, and exocytosis. Chromosomal rearrangements and altered expression of this gene have been implicated in

melanoma.

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 S100A6 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)
1:20	Average %	95
	Range %	87-99
1:40	Average %	101
	Range %	94-105
1:80	Average %	97
	Range %	87-101
1:160	Average %	105
	Range %	95-109

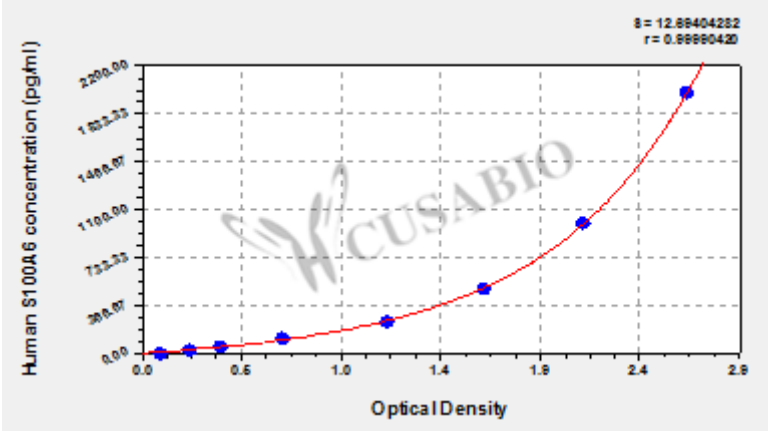
Recovery

The recovery of human S100A6 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)	102	93-106
EDTA plasma (n=4)	100	91-104

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	2.635	2.578	2.607	2.512
1000	2.036	2.193	2.115	2.020
500	1.663	1.612	1.638	1.543
250	1.190	1.165	1.178	1.083
125	0.675	0.686	0.681	0.586
62.5	0.385	0.389	0.387	0.292
31.2	0.233	0.237	0.235	0.140
0	0.093	0.097	0.095	?

Msds

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