



Human Protein S100-A7A(S100A7A) ELISA kit

Product Code	CSB-EL020636HU
Abbreviation	S100A7A
Target Name	S100 calcium binding protein A7A
Uniprot No.	Q86SG5
Alias	NICE-2, S100A15, S100A7L1, S100A7f, OTTHUMP00000015325 S100 calcium binding protein A15 S100 calcium binding protein A7-like 1
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	serum, plasma, tissue homogenates, urine
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	Others
Gene Names	S100A7A
Tag Info	quantitative
Protein Description	Sandwich

Description	This Human S100A7A ELISA Kit was designed for the quantitative measurement of Human S100A7A protein in serum, plasma, tissue homogenates, urine. 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.
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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.
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Linearity	To assess the linearity of the assay, samples were spiked with high concentrations of human S100A7A in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.
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?	Sample	Serum(n=4)
1:1	Average %	93
	Range %	89-97
1:2	Average %	92
	Range %	89-96
1:4	Average %	98
	Range %	94-102
1:8	Average %	91
	Range %	82-97

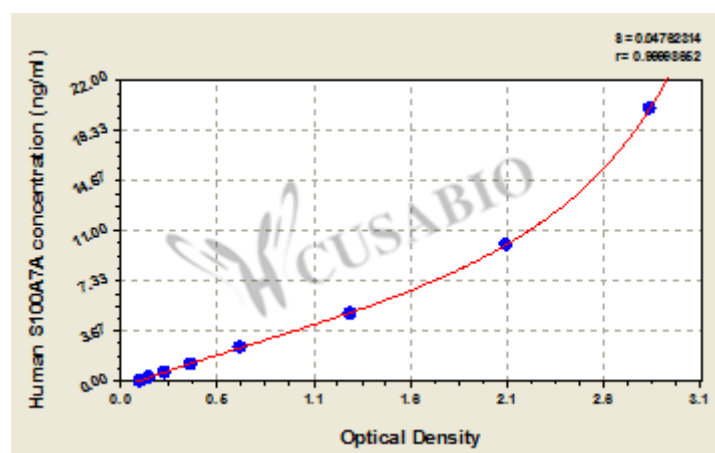
Recovery

The recovery of human S100A7A 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	93-101
EDTA plasma (n=4)	86	81-92

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	2.834	2.912	2.873	2.758
10	2.175	2.017	2.096	1.981
5	1.286	1.218	1.252	1.137
2.5	0.654	0.664	0.659	0.544
1.25	0.397	0.386	0.392	0.277
0.625	0.249	0.242	0.246	0.131
0.312	0.167	0.162	0.165	0.050
0	0.115	0.114	0.115	?

Msds

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