



Human casein alpha s1 (CSN1S1) ELISA kit

Product Code	CSB-EL006060HU
Abbreviation	CSN1S1
Target Name	casein alpha s1
Uniprot No.	P47710
Alias	CASA, CSN1, MGC149368, casein, alpha
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Sample Types	breast milk
Detection Range	37.5 µg/mL-600 µg/mL
Sensitivity	18.75 µg/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	Cell Biology
Gene Names	CSN1S1
Tag Info	quantitative
Protein Description	Competitive

Description

This Human CSN1S1 ELISA Kit was designed for the quantitative measurement of Human CSN1S1 protein in breast milk. It is a Competitive ELISA kit, its detection range is 37.5 µg/mL-600 µg/mL and the sensitivity is 18.75 µg/mL.

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 CSN1S1 in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.

	Sample	Breast milk(n=4)
1:10	Average %	90
	Range %	86-97



1:20	Average %	93
	Range %	89-99
1:40	Average %	95
	Range %	90-107
1:80	Average %	92
	Range %	87-103

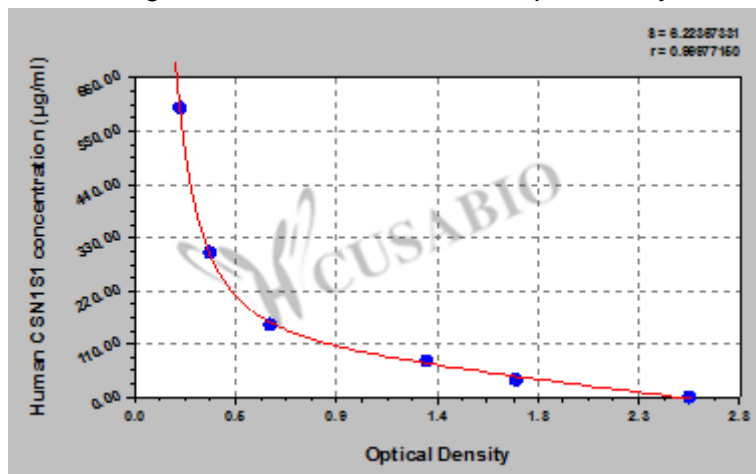
Recovery

The recovery of human CSN1S1 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
Breast milk (n=5)	95	87-101

Typical

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



µg/ml	OD1	OD2	Average
600	0.215	0.233	0.224
300	0.349	0.374	0.362
150	0.655	0.612	0.634
75	1.358	1.326	1.342
37.5	1.764	1.727	1.746
0	2.631	2.419	2.525