



Mouse Cathepsin S(CTSS) ELISA kit

Product Code	CSB-EL006204MO
Abbreviation	CTSS
Target Name	cathepsin S
Uniprot No.	O70370
Alias	MGC3886
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates, cell lysates
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	Signal Transduction
Gene Names	Ctss
Tag Info	quantitative
Protein Description	Sandwich
Description	<p>This Mouse CTSS ELISA Kit was designed for the quantitative measurement of Mouse CTSS protein in serum, plasma, tissue homogenates, cell lysates. 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 .</p>
Target Details	<p>This protein, a member of the peptidase C1 family, is a lysosomal cysteine proteinase that may participate in the degradation of antigenic proteins to peptides for presentation on MHC class II molecules. The encoded protein can function as an elastase over a broad pH range in alveolar macrophages. Transcript variants utilizing alternative polyadenylation signals exist for this gene.</p>
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.</p>



Linearity

To assess the linearity of the assay, samples were spiked with high concentrations of mouse CTSS 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 %	88
	Range %	80-92
1:2	Average %	95
	Range %	91-105
1:4	Average %	96
	Range %	90-101
1:8	Average %	93
	Range %	85-98

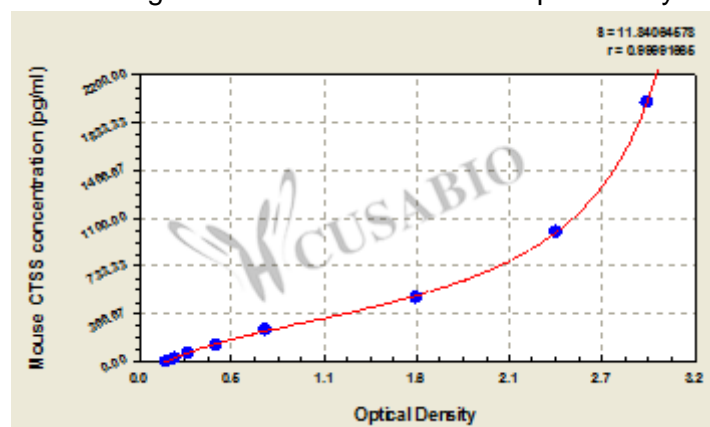
Recovery

The recovery of mouse CTSS 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)	92	88-98
EDTA plasma (n=4)	87	83-92

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	2.884	2.952	2.918	2.750
1000	2.345	2.452	2.399	2.231
500	1.652	1.549	1.601	1.433
250	0.729	0.739	0.734	0.566
125	0.457	0.452	0.455	0.287
62.5	0.285	0.297	0.291	0.123
31.25	0.216	0.219	0.218	0.050
0	0.168	0.167	0.168	?

Msds

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