



Mouse calprotectin (CALP) ELISA kit

Product Code	CSB-EQ013485MO
Abbreviation	CALP
Target Name	Calprotectin
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	6.25 ng/mL-400 ng/mL
Sensitivity	1.56 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
Tag Info	quantitative
Protein Description	Sandwich

Description

This Mouse CALP ELISA Kit was designed for the quantitative measurement of Mouse CALP protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 6.25 ng/mL-400 ng/mL and the sensitivity is 1.56 ng/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 mouse CALP 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 %	91
	Range %	86-98
1:2	Average %	97
	Range %	92-103
1:4	Average %	85
	Range %	81-88



1:8	Average %	89
	Range %	83-96

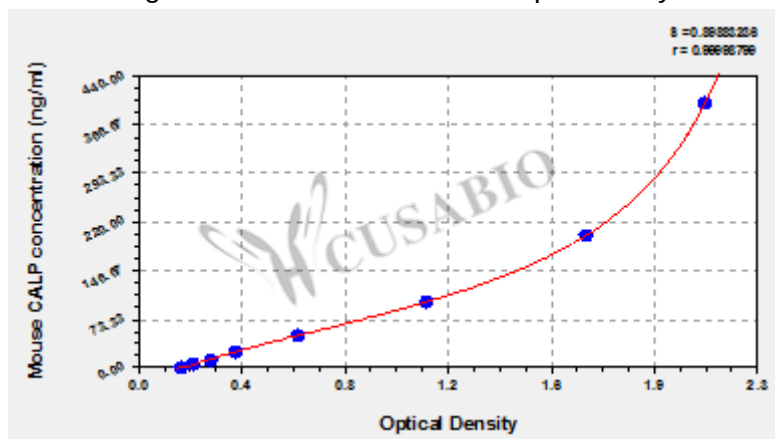
Recovery

The recovery of mouse CALP 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	87-95
EDTA plasma (n=4)	96	90-101

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
400	2.158	2.112	2.135	1.962
200	1.683	1.695	1.689	1.516
100	1.055	1.128	1.092	0.919
50	0.623	0.604	0.614	0.441
25	0.367	0.388	0.378	0.205
12.5	0.274	0.297	0.286	0.113
6.25	0.213	0.226	0.220	0.047
0	0.174	0.171	0.173	?

Msds

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