



Rat Calprotectin (CALP) ELISA kit

Product Code	CSB-EQ013485RA
Abbreviation	CALP
Target Name	Calprotectin
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, cell culture supernates
Detection Range	62.5 ng/mL-4000 ng/mL
Sensitivity	15.6 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 Rat CALP ELISA Kit was designed for the quantitative measurement of Rat CALP protein in serum, plasma, cell culture supernates. It is a Sandwich ELISA kit, its detection range is 62.5 ng/mL-4000 ng/mL and the sensitivity is 15.6 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 rat 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 %	95
	Range %	90-100
1:2	Average %	88
	Range %	84-93
1:4	Average %	90
	Range %	85-94
1:8	Average %	99
	Range %	94-105

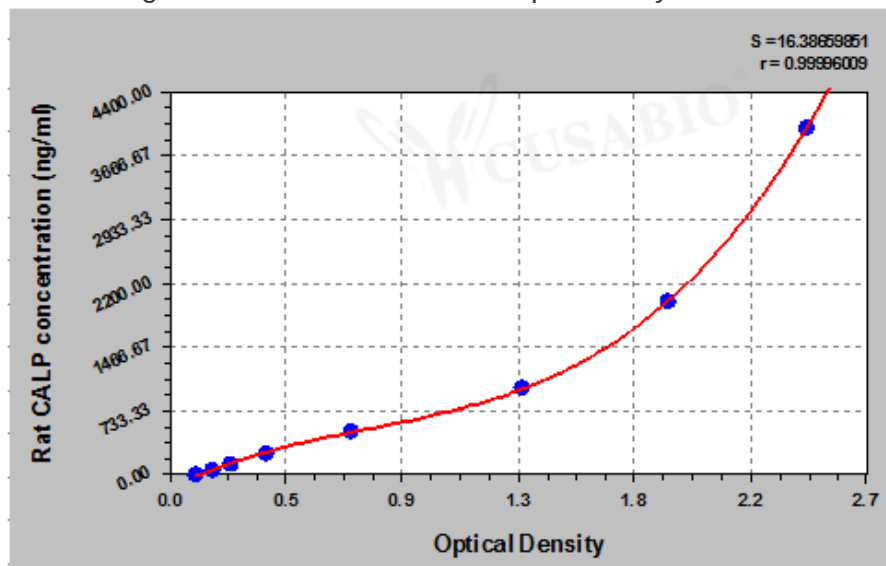
Recovery

The recovery of rat 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)	100	95-104
EDTA plasma (n=4)	93	89-98

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
4000	2.502	2.374	2.438	2.329
2000	1.873	1.952	1.913	1.804
1000	1.381	1.326	1.354	1.245
500	0.715	0.682	0.699	0.590
250	0.391	0.361	0.376	0.267
125	0.250	0.237	0.244	0.135
62.5	0.174	0.168	0.171	0.062
0	0.112	0.105	0.109	

**Msd**

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