



Mouse Complement 5,C5 ELISA Kit

Product Code	CSB-E13802m
Abbreviation	C5
Target Name	Complement 5,C5
Uniprot No.	P06684
Alias	N/A
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.25 ng/mL-16 ng/mL
Sensitivity	0.06 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	Immunology
Gene Names	C5
Tag Info	quantitative
Protein Description	Sandwich

Description

This Mouse Complement 5 (C5) ELISA Kit was designed for the quantitative measurement of Mouse Complement 5 (C5) protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.25 ng/mL-16 ng/mL and the sensitivity is 0.06 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 C5 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)
1:100	Average %	93
	Range %	86-100



1:200	Average %	95
	Range %	87-106
1:400	Average %	90
	Range %	86-99
1:800	Average %	95
	Range %	90-105

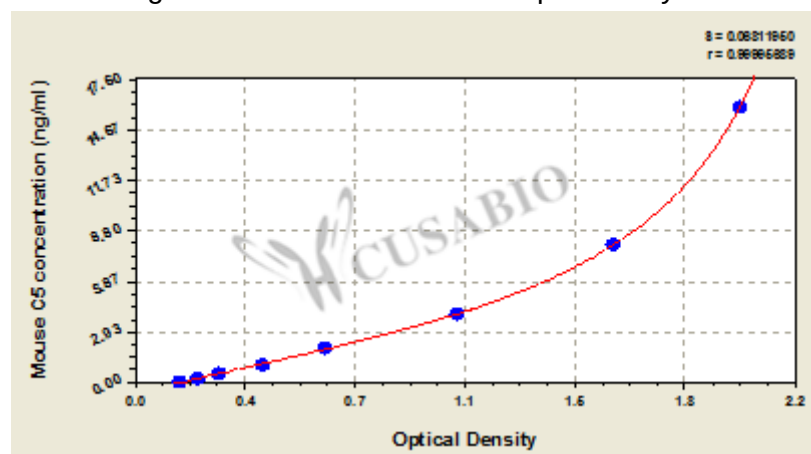
Recovery

The recovery of mouse C5 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)	96	87-101
EDTA plasma (n=4)	98	94-103

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
16	2.011	1.964	1.988	1.827
8	1.589	1.564	1.577	1.416
4	1.095	1.038	1.067	0.906
2	0.643	0.620	0.632	0.471
1	0.442	0.426	0.434	0.273
0.5	0.297	0.285	0.291	0.130
0.25	0.221	0.216	0.219	0.058
0	0.156	0.165	0.161	

Msds

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