



Rat Complement 3,C3 ELISA Kit

Product Code	CSB-E08666r
Abbreviation	C3
Target Name	Complement 3,C3
Uniprot No.	P01026
Alias	N/A
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.625 µg/mL-40 µg/mL
Sensitivity	0.156 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	Cancer
Gene Names	C3
Tag Info	quantitative
Protein Description	Competitive

Description

This Rat Complement 3 (C3) ELISA Kit was designed for the quantitative measurement of Rat Complement 3 (C3) protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 0.625 µg/mL-40 µg/mL and the sensitivity is 0.156 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 rat C3 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)
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1:100	Average %	84
	Range %	81-89
1:200	Average %	92
	Range %	87-96
1:400	Average %	101
	Range %	97-106
1:800	Average %	87
	Range %	84-90

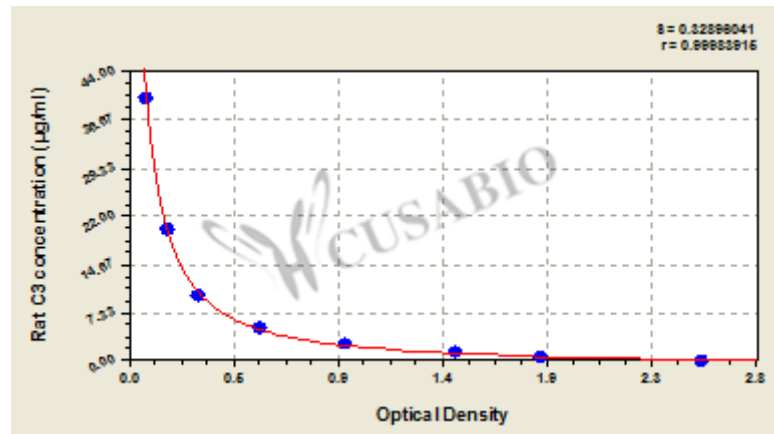
Recovery

The recovery of rat C3 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	88-96
EDTA plasma (n=4)	95	89-101

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
40	0.085	0.083	0.084
20	0.173	0.182	0.178
10	0.308	0.321	0.315
5	0.576	0.608	0.592
2.5	0.983	0.961	0.972
1.25	1.462	1.465	1.464
0.625	1.825	1.862	1.844
0	2.553	2.567	2.560