



Rabbit complement fragment 5a,C5a ELISA Kit

Product Code	CSB-E13247Rb
Abbreviation	C5a
Target Name	complement fragment 5a,C5a
Product Type	ELISA Kit
Immunogen Species	Oryctolagus cuniculus (Rabbit)
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.625 ng/mL-40 ng/mL
Sensitivity	0.156 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
Tag Info	quantitative
Protein Description	Sandwich

Description

This Rabbit C5a ELISA Kit was designed for the quantitative measurement of Rabbit C5a protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 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 rabbit C5a 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 %	86
	Range %	82-90
1:2	Average %	92
	Range %	88-96
1:4	Average %	94
	Range %	90-98



1:8	Average %	102
	Range %	98-106

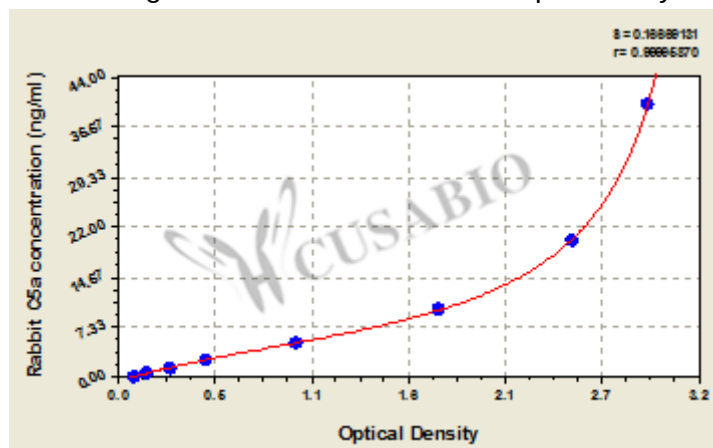
Recovery

The recovery of rabbit C5a 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)	87	83-93
EDTA plasma (n=4)	101	97-105

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
40	2.821	2.988	2.905	2.813
20	2.564	2.414	2.489	2.397
10	1.767	1.746	1.757	1.665
5	0.991	0.974	0.983	0.891
2.5	0.484	0.496	0.490	0.398
1.25	0.286	0.297	0.292	0.200
0.625	0.157	0.162	0.160	0.068
0	0.091	0.093	0.092	

Msds

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