



# Dog Complement 3(C3)ELISA Kit

<b>Product Code</b>	CSB-EL003888DO
<b>Abbreviation</b>	C3
<b>Target Name</b>	Complement 3(C3)
<b>Alias</b>	AHUS5, ARMD9, ASP, CPAMD1, acylation-stimulating protein cleavage product complement component C3
<b>Product Type</b>	ELISA Kit
<b>Immunogen Species</b>	Canis lupus familiaris (Dog) (Canis familiaris)
<b>Sample Types</b>	serum, plasma, tissue homogenates
<b>Detection Range</b>	0.78 µg/mL-50 µg/mL
<b>Sensitivity</b>	0.195 µg/mL
<b>Assay Time</b>	1-5h
<b>Sample Volume</b>	50-100ul
<b>Detection Wavelength</b>	450 nm
<b>Lead Time</b>	3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx.
<b>Research Area</b>	Cancer
<b>Tag Info</b>	quantitative
<b>Protein Description</b>	Competitive

**Description**

This Dog Complement 3 (C3) ELISA Kit was designed for the quantitative measurement of Dog Complement 3 (C3) protein in serum, plasma, tissue homogenates. It is a Competitive ELISA kit, its detection range is 0.78 µg/mL-50 µg/mL and the sensitivity is 0.195 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 dog 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)
1:100	Average %	99
	Range %	95-102



1:200	Average %	95
	Range %	81-89
1:400	Average %	92
	Range %	88-96
1:800	Average %	101
	Range %	98-103

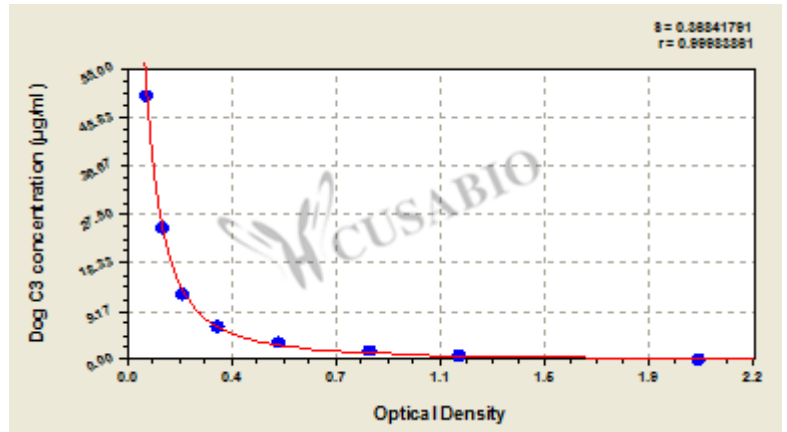
**Recovery**

The recovery of dog 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)	94	91-97
EDTA plasma (n=4)	89	85-93

**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
50	0.075	0.079	0.077
25	0.130	0.136	0.133
12.5	0.206	0.204	0.205
6.25	0.322	0.332	0.327
3.12	0.543	0.538	0.541
1.56	0.851	0.878	0.865
0.78	1.163	1.198	1.181
0	2.014	2.036	2.025