



Mouse anti-double stranded DNA antibody(IgM)ELISA Kit

Product Code	CSB-E12911m									
Abbreviation	dsDNA Ab (IgM)									
Target Name	anti-double stranded DNA antibody(IgM)									
Product Type	ELISA Kit									
Immunogen Species	Mus musculus (Mouse)									
Sample Types	serum, plasma									
Detection Range	1.56 ng/mL-100 ng/mL									
Sensitivity	0.39 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	Capture ELISA									
Description	This Mouse dsDNA Ab (IgM) ELISA Kit was designed for the quantitative measurement of Mouse dsDNA Ab (IgM) protein in serum, plasma. It is a Capture ELISA ELISA kit, its detection range is 1.56 ng/mL-100 ng/mL and the sensitivity is 0.39 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 anti-double stranded DNA antibody (IgM) (dsDNA Ab (IgM)) in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay. <table><tr><td></td><td>Sample</td><td>Serum(n=4)</td></tr><tr><td rowspan="2">1:1</td><td>Average %</td><td>95</td></tr><tr><td>Range %</td><td>85-105</td></tr></table>			Sample	Serum(n=4)	1:1	Average %	95	Range %	85-105
	Sample	Serum(n=4)								
1:1	Average %	95								
	Range %	85-105								



1:2	Average %	89
	Range %	85-98
1:4	Average %	93
	Range %	85-97
1:8	Average %	95
	Range %	89-110

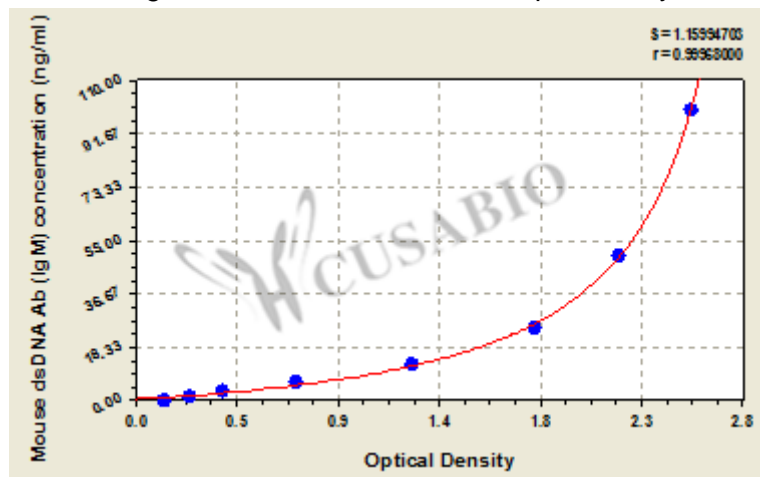
Recovery

The recovery of mouse anti-double stranded DNA antibody (IgM) (dsDNA Ab (IgM)) 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	83-101
EDTA plasma (n=4)	97	87-106

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
100	2.501	2.531	2.516	2.377
50	2.178	2.203	2.191	2.052
25	1.803	1.822	1.813	1.674
12.5	1.254	1.268	1.261	1.122
6.25	0.731	0.745	0.738	0.599
3.12	0.405	0.397	0.401	0.262
1.56	0.255	0.249	0.252	0.113
0	0.138	0.140	0.139	