



Rat cluster of differentiation 4,CD4 ELISA Kit

Product Code	CSB-E12928r
Abbreviation	CD4
Protein Biological Process 1	Immunity
Target Name	CD4 molecule
Uniprot No.	P05540
Alias	CD4mut, CD4 antigen CD4 antigen (p55) CD4 receptor
Product Type	ELISA Kit
Immunogen Species	Rattus norvegicus (Rat)
Protein Biological Process 3	Adaptive immunity
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.78 U/mL-50 U/mL
Sensitivity	0.195 U/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	Cd4
Tag Info	quantitative
Protein Description	Sandwich
Description	This Rat CD4 ELISA Kit was designed for the quantitative measurement of Rat CD4 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.78 U/mL-50 U/mL and the sensitivity is 0.195 U/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 CD4 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 %	97
	Range %	87-102
1:2	Average %	101
	Range %	94-105
1:4	Average %	99
	Range %	88-103
1:8	Average %	105
	Range %	98-109

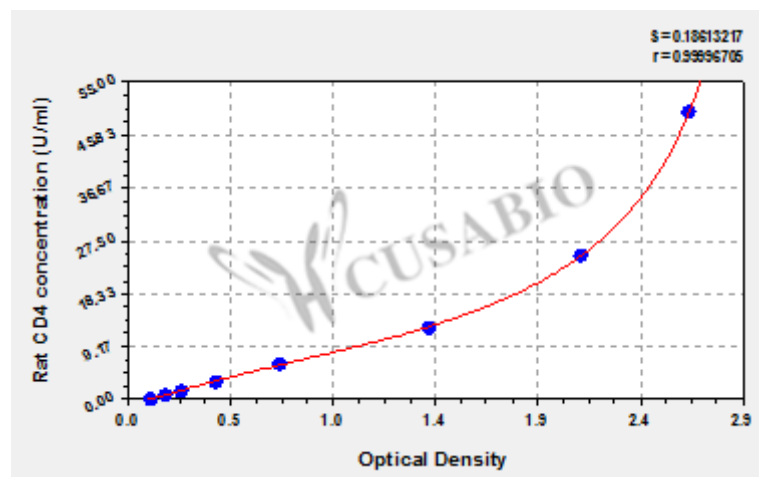
Recovery

The recovery of rat CD4 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	85-98
EDTA plasma (n=4)	98	89-104

Typical

These standard curves are provided for demonstration only. A standard curve should be generated for each set of samples assayed.



U/ml	OD1	OD2	Average	Corrected
50	2.656	2.587	2.622	2.508
25	2.171	2.062	2.117	2.003
12.5	1.438	1.388	1.413	1.299
6.25	0.720	0.715	0.718	0.604
3.12	0.412	0.424	0.418	0.304
1.56	0.261	0.252	0.257	0.143
0.78	0.176	0.183	0.180	0.066
0	0.112	0.115	0.114	?

Msds

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