



Rat 5'-nucleotidase/cluster of differentiation 73 (NT5E/CD73) ELISA kit

Product Code	CSB-E14100r																						
Abbreviation	NT5E/CD73																						
Target Name	5'-nucleotidase/cluster of differentiation 73 (NT5E/CD73)																						
Uniprot No.	P21588																						
Product Type	ELISA Kit																						
Immunogen Species	Rattus norvegicus (Rat)																						
Sample Types	serum, plasma, tissue homogenates, cell culture supernates																						
Detection Range	0.625 mIU/mL-40 mIU/mL																						
Sensitivity	0.156 mIU/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	Cardiovascular																						
Gene Names	Nt5e																						
Tag Info	quantitative																						
Protein Description	Sandwich																						
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 CD73 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>1:1</td><td>Average %</td><td>90</td></tr> <tr> <td></td><td>Range %</td><td>87-96</td></tr> <tr> <td>1:2</td><td>Average %</td><td>87</td></tr> <tr> <td></td><td>Range %</td><td>82-95</td></tr> <tr> <td>1:4</td><td>Average %</td><td>90</td></tr> <tr> <td></td><td>Range %</td><td>85-97</td></tr> </table>		?	Sample	Serum(n=4)	1:1	Average %	90		Range %	87-96	1:2	Average %	87		Range %	82-95	1:4	Average %	90		Range %	85-97
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1:1	Average %	90																					
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1:2	Average %	87																					
	Range %	82-95																					
1:4	Average %	90																					
	Range %	85-97																					



1:8	Average %	93
	Range %	86-101

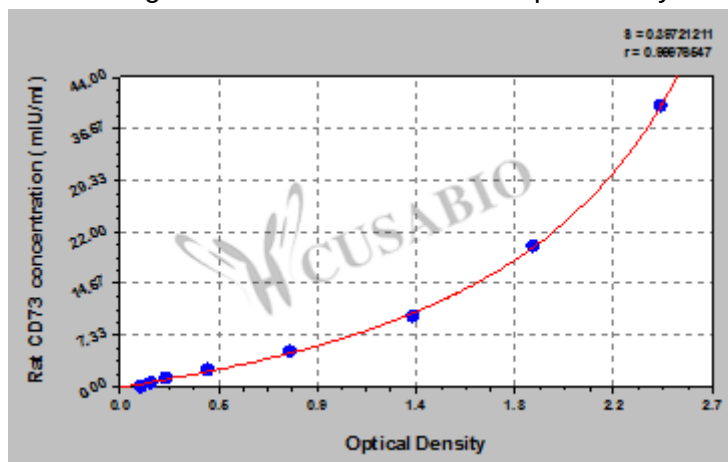
Recovery

The recovery of rat CD73 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)	95	90-101
EDTA plasma (n=4)	91	86-98

Typical

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



mIU/ml	OD1	OD2	Average	Corrected
40	2.504	2.416	2.460	2.358
20	1.933	1.824	1.879	1.777
10	1.386	1.283	1.335	1.233
5	0.814	0.749	0.782	0.680
2.5	0.424	0.397	0.411	0.309
1.25	0.228	0.213	0.221	0.119
0.625	0.154	0.145	0.150	0.048
0	0.103	0.101	0.102	?

Msds

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