



Rat fructosamin (FRA) ELISA kit

Product Code	CSB-E13451r																			
Abbreviation	FRA																			
Target Name	fructosamin (FRA)																			
Product Type	ELISA kit																			
Immunogen Species	Rattus norvegicus (Rat)																			
Sample Types	serum, plasma, tissue homogenates																			
Detection Range	31.25 nmol/mL-2000 nmol/mL																			
Sensitivity	7.81 nmol/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	Sandwich																			
Description	<p>This Rat FRA ELISA Kit was designed for the quantitative measurement of Rat FRA protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 nmol/mL-2000 nmol/mL and the sensitivity is 7.81 nmol/mL.</p>																			
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in twenty assays to assess.</p>																			
Linearity	<p>To assess the linearity of the assay, samples were spiked with high concentrations of rat FRA in various matrices and diluted with the Sample Diluent to produce samples with values within the dynamic range of the assay.</p> <table> <thead> <tr> <th></th><th>Sample</th><th>Serum(n=4)</th></tr> </thead> <tbody> <tr> <td rowspan="2">1:1</td><td>Average %</td><td>103</td></tr> <tr> <td>Range %</td><td>99-108</td></tr> <tr> <td rowspan="2">1:2</td><td>Average %</td><td>98</td></tr> <tr> <td>Range %</td><td>94-102</td></tr> <tr> <td rowspan="2">1:4</td><td>Average %</td><td>93</td></tr> <tr> <td>Range %</td><td>89-97</td></tr> </tbody> </table>			Sample	Serum(n=4)	1:1	Average %	103	Range %	99-108	1:2	Average %	98	Range %	94-102	1:4	Average %	93	Range %	89-97
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1:8	Average %	90
	Range %	86-98

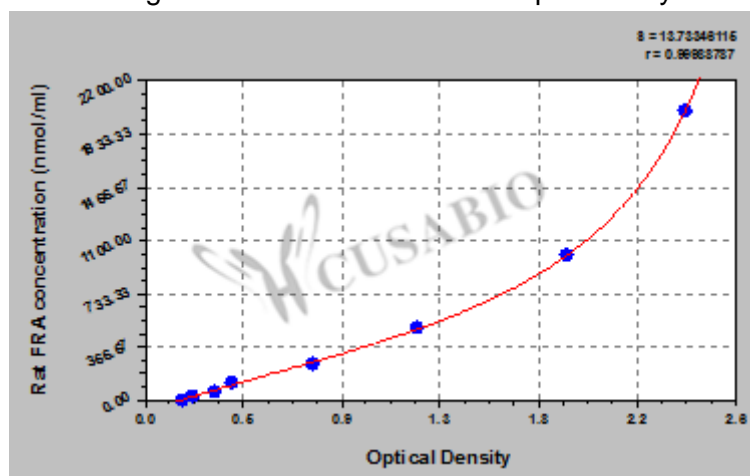
Recovery

The recovery of rat FRA 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	90-100
EDTA plasma (n=4)	89	84-95

Typical

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



nmol/ml	OD1	OD2	Average	Corrected
2000	2.362	2.458	2.410	2.229
1000	1.943	1.831	1.887	1.706
500	1.206	1.241	1.224	1.043
250	0.754	0.767	0.761	0.580
125	0.395	0.413	0.404	0.223
62.5	0.318	0.335	0.327	0.146
31.25	0.221	0.234	0.228	0.047
0	0.179	0.182	0.181	

Msds

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