



Mouse transferrin receptor,TFR ELISA Kit

Product Code	CSB-E08389m
Abbreviation	TFRC
Protein Biological Process 1	Immunity
Target Name	transferrin receptor (p90, CD71)
Uniprot No.	Q62351
Alias	CD71, TFR, TFR1, TRFR, transferrin receptor
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Endocytosis
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.625 ng/mL-40 ng/mL
Sensitivity	0.156 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	Metabolism
Gene Names	Tfrc
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse TFRC ELISA Kit was designed for the quantitative measurement of Mouse TFRC protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.625 ng/mL-40 ng/mL and the sensitivity is 0.156 ng/mL.
Product Precision	<p>Intra-assay Precision (Precision within an assay): CV%<8%</p> <p>Three samples of known concentration were tested twenty times on one plate to assess.</p> <p>Inter-assay Precision (Precision between assays): CV%<10%</p> <p>Three samples of known concentration were tested in twenty assays to assess.</p>

Linearity



To assess the linearity of the assay, samples were spiked with high concentrations of mouse TFR 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 %	91
	Range %	82-99
1:200	Average %	93
	Range %	85-102
1:400	Average %	95
	Range %	83-100
1:800	Average %	96
	Range %	89-108

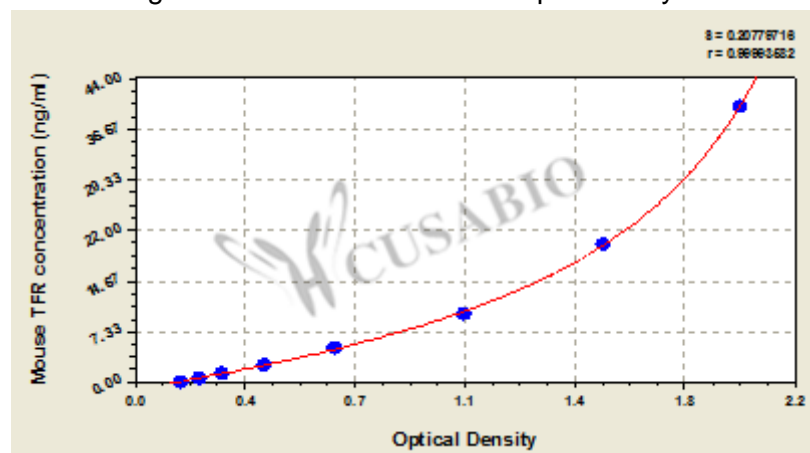
Recovery

The recovery of mouse TFR 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	87-104
EDTA plasma (n=4)	97	85-106

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
40	2.004	1.939	1.972	1.809
20	1.548	1.514	1.531	1.368
10	1.106	1.055	1.081	0.918
5	0.673	0.645	0.659	0.496
2.5	0.442	0.421	0.432	0.269
1.25	0.302	0.288	0.295	0.132
0.625	0.227	0.218	0.223	0.060
0	0.161	0.165	0.163	

Msds

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