

Mouse ET-1(Endothelin1) ELISA Kit

Description

Standard curve

Concentration (ng/mL)	OD	Corrected OD
500.00	2.204	2.100
250.00	1.700	1.596
125.00	1.186	1.082
62.50	0.726	0.622
31.25	0.516	0.412
15.63	0.381	0.277
7.82	0.228	0.124
0.00	0.104	0.000

Precision

Intra-assay Precision (Precision within an assay) \leq CV% < 8%

Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.

Inter-assay Precision (Precision between assays) \leq CV% < 10%

Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.

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Recovery

Matrices listed below were spiked with certain level of recombinant ET-1 and the recovery rates were calculated by comparing the measured value to the expected amount of ET-1 in samples.

MATRIX	RECOVERY RANGE	AVERAGE
serum(n=5)	80-92%	86%
EDTA plasma(n=5)	85-97%	91%
Heparin plasma(n=5)	83-95%	89%

Linearity

The linearity of the kit was assayed by testing samples spiked with appropriate concentration of ET-1 and their serial dilutions. The results were demonstrated by the percentage of calculated concentration to the expected.

MATRIX	1:2	1:4	1:8	1:16
serum(n=5)	85-92%	82-96%	87-103%	95-102%
EDTA plasma(n=5)	78-96%	89-102%	85-97%	79-97%
Heparin plasma(n=5)	92-104%	87-96%	89-101%	82-90%

Date Created
2024/07/03