



Mouse GDNF family receptor alpha-like(GFRAL) ELISA kit

Product Code	CSB-EL009383MO
Abbreviation	GFRAL
Target Name	GDNF family receptor alpha like
Uniprot No.	Q6SJE0
Alias	C6orf144, GRAL, UNQ9356, bA360D14.1, IVFI9356
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	25 pg/mL-1600 pg/mL
Sensitivity	6.25 pg/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	Cell Biology
Gene Names	Gfral
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse GFRAL ELISA Kit was designed for the quantitative measurement of Mouse GFRAL protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 25 pg/mL-1600 pg/mL and the sensitivity is 6.25 pg/mL.
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	



To assess the linearity of the assay, samples were spiked with high concentrations of mouse GFRAL 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 %	92
	Range %	88-98
1:2	Average %	101
	Range %	97-107
1:4	Average %	94
	Range %	90-98
1:8	Average %	97
	Range %	92-101

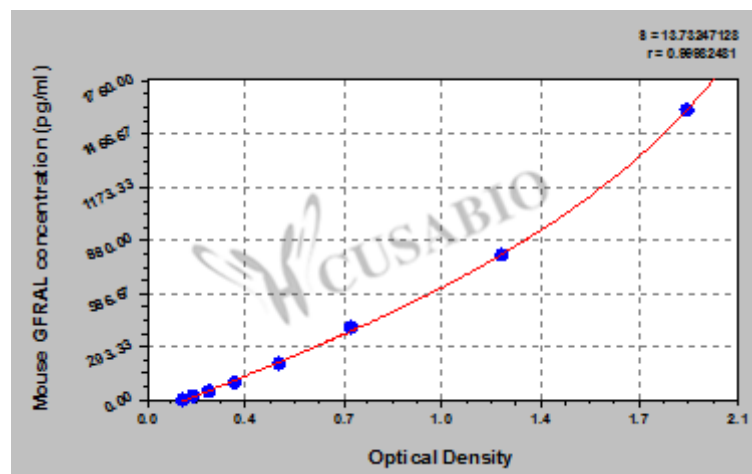
Recovery

The recovery of mouse GFRAL 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	89-100
EDTA plasma (n=4)	88	84-92

Typical

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



pg/ml	OD1	OD2	Average	Corrected
1600	1.859	1.952	1.906	1.766
800	1.258	1.260	1.259	1.119
400	0.720	0.734	0.727	0.587
200	0.466	0.489	0.478	0.338
100	0.315	0.328	0.322	0.182
50	0.229	0.235	0.232	0.092
25	0.172	0.176	0.174	0.034
0	0.138	0.141	0.140	?

Msds

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