



Mouse R-spondin-2(RSPO2) ELISA kit

Product Code	CSB-EL020551MO
Abbreviation	RSPO2
Protein Biological Process 1	Neurobiology
Target Name	R-spondin 2 homolog (Xenopus laevis)
Uniprot No.	Q8BFU0
Alias	CRISTIN2, MGC35555, MGC43342, R-spondin family, member 2
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Sensory transduction
Sample Types	serum, plasma, tissue homogenates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.8 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	Developmental Biology
Gene Names	Rspo2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse RSPO2 ELISA Kit was designed for the quantitative measurement of Mouse RSPO2 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.8 pg/mL.
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 mouse RSPO2 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 %	97
	Range %	92-102
1:2	Average %	91
	Range %	85-98
1:4	Average %	90
	Range %	88-93
1:8	Average %	100
	Range %	96-104

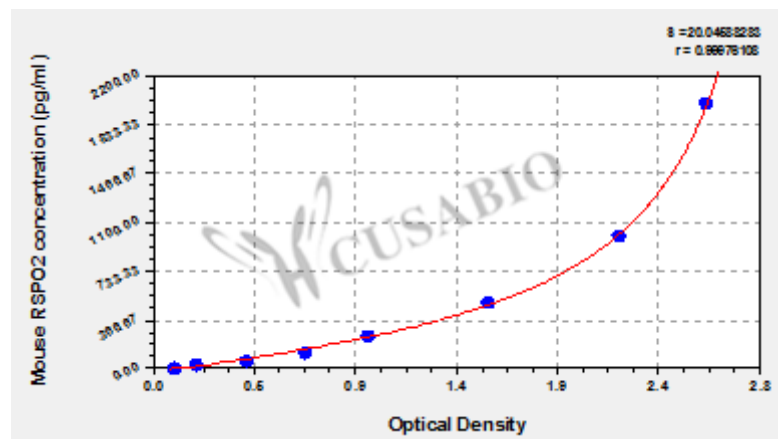
Recovery

The recovery of mouse RSPO2 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)	90	87-92
EDTA plasma (n=4)	106	103-110

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
2000	2.522	2.633	2.578	2.472
1000	2.123	2.213	2.168	2.062
500	1.579	1.544	1.562	1.456
250	1.020	0.989	1.005	0.899
125	0.744	0.688	0.716	0.610
62.5	0.460	0.432	0.446	0.340
31.25	0.203	0.214	0.209	0.103
0	0.102	0.109	0.106	?

Msds

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