



Mouse R-spondin-3(RSPO3) ELISA kit

Product Code	CSB-EL020552MO
Abbreviation	RSPO3
Protein Biological Process 1	Neurobiology
Target Name	R-spondin 3 homolog (Xenopus laevis)
Uniprot No.	Q2TJ95
Alias	CRISTIN1, FLJ14440, PWTSR, THSD2, R-spondin 3 thrombospondin, type I, domain containing 2 thrombospondin-like
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Sensory transduction
Sample Types	serum, plasma, tissue homogenates
Detection Range	4.7 pg/mL-300 pg/mL
Sensitivity	1.17 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	Rspo3
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse RSPO3 ELISA Kit was designed for the quantitative measurement of Mouse RSPO3 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 4.7 pg/mL-300 pg/mL and the sensitivity is 1.17 pg/mL.
Target Details	This gene encodes a member of the thrombospondin type 1 repeat supergene family. In addition, the protein contains a furin-like cysteine-rich region. Furin-like repeat domains have been found in a variety of eukaryotic proteins involved in the mechanism of signal transduction by receptor tyrosine kinases.
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 RSPO3 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 %	90
	Range %	86-94
1:2	Average %	98
	Range %	93-103
1:4	Average %	102
	Range %	98-105
1:8	Average %	94
	Range %	92-96

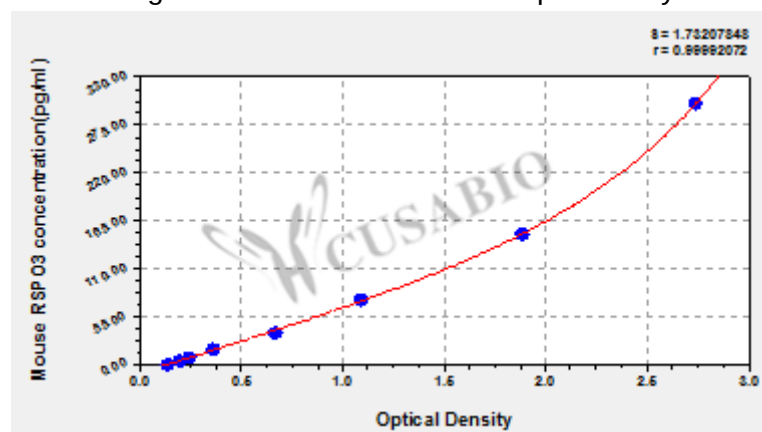
Recovery

The recovery of mouse RSPO3 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)	97	94-100
EDTA plasma (n=4)	93	90-97

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
300	2.693	2.800	2.747	2.597
150	1.811	1.970	1.891	1.741
75	1.073	1.135	1.104	0.954
37.5	0.652	0.701	0.677	0.527
18.75	0.369	0.375	0.372	0.222
9.4	0.247	0.266	0.257	0.107
4.7	0.202	0.214	0.208	0.058
0	0.158	0.142	0.150	



Msd

```
{"0":{"fileurl":"https://www.cusabio.com/uploadfile/msds/MSDS CSB-EL020552MO.pdf","filename":"MSDS"}}
```