



Mouse Protein argonaute-2(EIF2C2) ELISA kit

Product Code	CSB-EL007520MO
Abbreviation	EIF2C2
Protein Biological Process 1	Developmental Protein
Target Name	eukaryotic translation initiation factor 2C, 2
Uniprot No.	Q8CJG0
Alias	AGO2, MGC3183, Q10, argonaute 2
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Differentiation
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	31.25 pg/mL-2000 pg/mL
Sensitivity	7.81 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	Epigenetics and Nuclear Signaling
Gene Names	Ago2
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse EIF2C2 ELISA Kit was designed for the quantitative measurement of Mouse EIF2C2 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 31.25 pg/mL-2000 pg/mL and the sensitivity is 7.81 pg/mL.
Target Details	This gene encodes a member of the Argonaute family of proteins which play a role in RNA interference. The encoded protein is highly basic, and contains a PAZ domain and a PIWI domain. It may interact with dicer1 and play a role in short-interfering-RNA-mediated gene silencing. Multiple transcript variants encoding different isoforms have been found for this gene.
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 EIF2C2 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 %	96
	Range %	90-100
1:2	Average %	93
	Range %	89-97
1:4	Average %	106
	Range %	100-110
1:8	Average %	90
	Range %	86-94

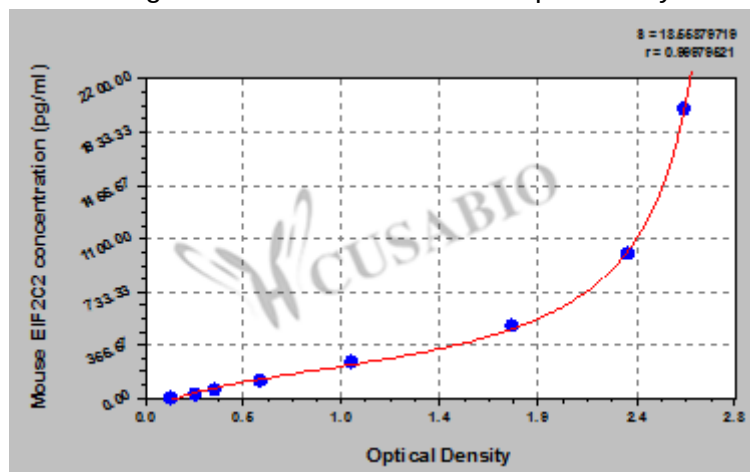
Recovery

The recovery of mouse EIF2C2 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)	89	84-93
EDTA plasma (n=4)	94	90-98

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	2.651	2.517	2.584	2.446
1000	2.273	2.356	2.315	2.177
500	1.801	1.727	1.764	1.626
250	0.975	1.025	1.000	0.862
125	0.545	0.579	0.562	0.424
62.5	0.336	0.359	0.348	0.210
31.25	0.257	0.249	0.253	0.115
0	0.134	0.141	0.138	

**Msd**

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