



Mouse Protein Wnt-7b(WNT7B) ELISA kit

Product Code	CSB-EL026142MO
Abbreviation	WNT7B
Protein Biological Process 1	Signaling Pathway
Target Name	wingless-type MMTV integration site family, member 7B
Uniprot No.	P28047
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Wnt signaling pathway
Sample Types	serum, plasma, tissue homogenates
Detection Range	0.312 ng/mL-20 ng/mL
Sensitivity	0.078 ng/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	Stem Cells
Gene Names	Wnt7b
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse WNT7B ELISA Kit was designed for the quantitative measurement of Mouse WNT7B protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.312 ng/mL-20 ng/mL and the sensitivity is 0.078 ng/mL.
Target Details	This gene is a member of the WNT gene family, which consists of structurally related genes that encode secreted signaling proteins. These proteins have been implicated in oncogenesis and in several developmental processes, including regulation of cell fate and patterning during embryogenesis. Among members of the human WNT family, this gene product is most similar to WNT7A protein.
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 WNT7B 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 %	93
	Range %	85-105
1:2	Average %	89
	Range %	84-96
1:4	Average %	95
	Range %	90-100
1:8	Average %	95
	Range %	87-101

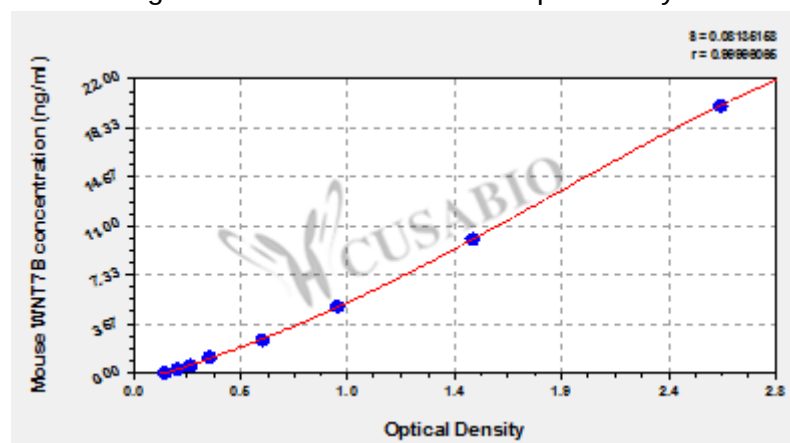
Recovery

The recovery of mouse WNT7B 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	93-101
EDTA plasma (n=4)	94	89-99

Typical

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



ng/ml	OD1	OD2	Average	Corrected
20	2.580	2.618	2.599	2.447
10	1.532	1.482	1.507	1.355
5	0.933	0.895	0.914	0.762
2.5	0.579	0.586	0.583	0.431
1.25	0.352	0.346	0.349	0.197
0.625	0.258	0.269	0.264	0.112
0.312	0.207	0.213	0.210	0.058
0	0.155	0.149	0.152	



Msd

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