Mouse Proto-oncogene Wnt-1(WNT1) ELISA kit

Product Code	CSB-EL026128MO
Abbreviation	WNT1
Protein Biological Process 1	Signaling Pathway
Target Name	wingless-type MMTV integration site family, member 1
Uniprot No.	P04426
Alias	INT1, Wingless-type MMTV integration site family, member 1 (oncogene INT1)
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Wnt signaling pathway
Sample Types	serum, plasma, tissue homogenates
Detection Range	18.75 pg/mL-1200 pg/mL
Sensitivity	4.68 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	Stem Cells
Gene Names	Wnt1
Tag Info	quantitative
Protein Description	Sandwich
Description	This Mouse WNT1 ELISA Kit was designed for the quantitative measurement of Mouse WNT1 protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 18.75 pg/mL-1200 pg/mL and the sensitivity is 4.68 pg/mL.
Target Details	The WNT gene family consists of structurally related genes which 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. This gene is a member of the WNT gene family. It is very conserved in evolution, and This protein is known to be 98% identical to the mouse Wnt1 protein at the amino acid level. The studies in mouse indicate that the Wnt1 protein functions in the induction of the

mesencephalon and cerebellum. This gene was originally considered as a candidate gene for Joubert syndrome, an autosomal recessive disorder with cerebellar hypoplasia as a leading feature. However, further studies suggested that the gene mutations might not have a significant role in Joubert syndrome. This gene is clustered with another family member, WNT10B, in the chromosome 12q13 region.

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 WNT1 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 %	84
	Range %	80-88
1:4	Average %	89
	Range %	84-93
1:8	Average %	98
	Range %	94-102

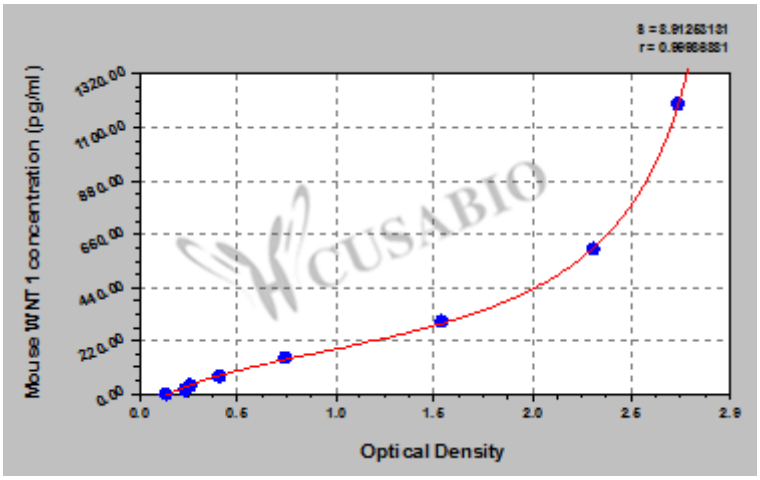
Recovery

The recovery of mouse WNT1 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)	106	100-110
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
1200	2.749	2.627	2.688	2.543
600	2.234	2.306	2.270	2.125
300	1.493	1.534	1.514	1.369
150	0.729	0.755	0.742	0.597
75	0.401	0.427	0.414	0.269
37.5	0.277	0.259	0.268	0.123
18.75	0.236	0.247	0.242	0.097
0	0.147	0.142	0.145	

Msds

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