



Mouse Protein Wnt-16(WNT16) ELISA kit

Product Code	CSB-EL026132MO
Abbreviation	WNT16
Protein Biological Process 1	Signaling Pathway
Target Name	wingless-type MMTV integration site family, member 16
Uniprot No.	Q9QYS1
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Wnt signaling pathway
Sample Types	serum, plasma, tissue homogenates, cell lysates
Detection Range	62.5 pg/mL-4000 pg/mL
Sensitivity	15.6 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	Wnt16
Tag Info	quantitative
Protein Description	Sandwich

Description

This Mouse WNT16 ELISA Kit was designed for the quantitative measurement of Mouse WNT16 protein in serum, plasma, tissue homogenates, cell lysates. It is a Sandwich ELISA kit, its detection range is 62.5 pg/mL-4000 pg/mL and the sensitivity is 15.6 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 contains two transcript variants diverging at the 5 termini. These two variants are proposed to be the products of separate promoters and not to be splice variants from a single promoter. They are differentially expressed in normal tissues, one of which (variant 2) is expressed at significant levels only in the pancreas, whereas another one (variant 1) is expressed more



ubiquitously with highest levels in adult kidney, placenta, brain, heart, and spleen.

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 WNT16 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 %	103
	Range %	101-105
1:2	Average %	96
	Range %	93-99
1:4	Average %	89
	Range %	86-92
1:8	Average %	98
	Range %	94-102

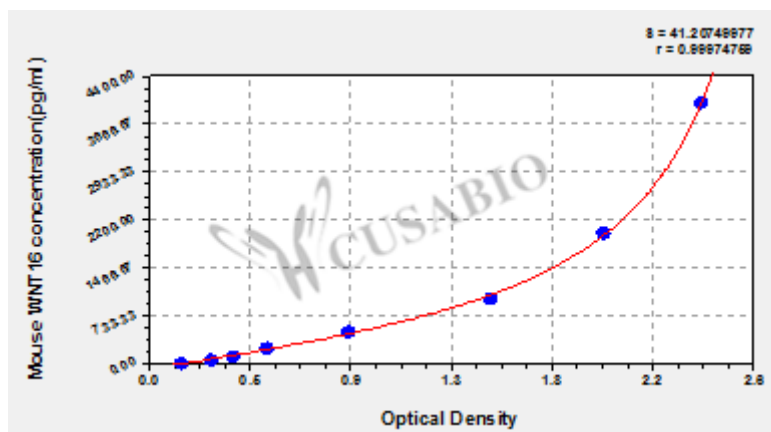
Recovery

The recovery of mouse WNT16 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	101-111
EDTA plasma (n=4)	92	89-96

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
4000	2.379	2.465	2.422	2.268
2000	2.022	1.970	1.996	1.842
1000	1.450	1.560	1.505	1.351
500	0.865	0.899	0.882	0.728
250	0.531	0.527	0.529	0.375
125	0.375	0.383	0.379	0.225
62.5	0.288	0.278	0.283	0.129
0	0.158	0.150	0.154	

Msds

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