



Mouse Protein Wnt-3a(WNT3A) ELISA kit

Product Code	CSB-EL026136MO
Abbreviation	WNT3A
Protein Biological Process 1	Signaling Pathway
Target Name	wingless-type MMTV integration site family, member 3A
Uniprot No.	P27467
Alias	MGC119418, MGC119419, MGC119420
Product Type	ELISA Kit
Immunogen Species	Mus musculus (Mouse)
Protein Biological Process 3	Wnt signaling pathway
Sample Types	serum, plasma, tissue homogenates
Detection Range	23.5 pg/mL-1500 pg/mL
Sensitivity	5.8 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	Wnt3a
Tag Info	quantitative
Protein Description	Sandwich

Description

This Mouse WNT3A ELISA Kit was designed for the quantitative measurement of Mouse WNT3A protein in serum, plasma, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 23.5 pg/mL-1500 pg/mL and the sensitivity is 5.8 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 encodes a protein which shows 96% amino acid identity to mouse Wnt3A protein, and 84% to human WNT3 protein, another WNT gene product. This gene is clustered with WNT14 gene, another family member, in



chromosome 1q42 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 WNT3A 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 %	92
	Range %	90-95
1:2	Average %	89
	Range %	85-94
1:4	Average %	94
	Range %	89-97
1:8	Average %	98
	Range %	95-100

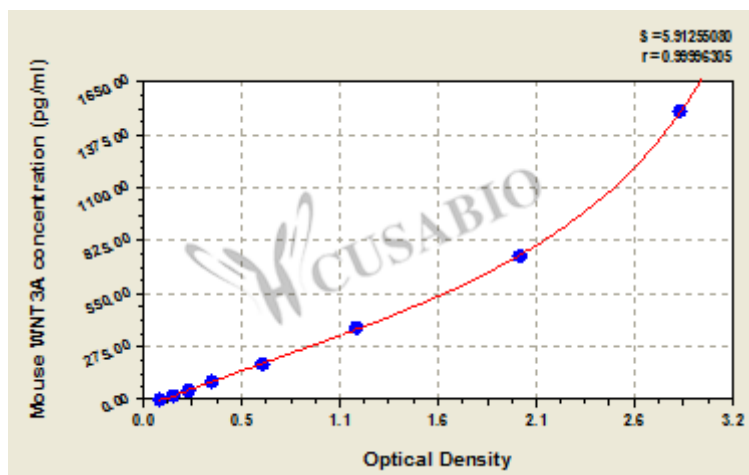
Recovery

The recovery of mouse WNT3A 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)	93	89-95
EDTA plasma (n=4)	95	91-98

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
1500	2.886	2.864	2.875	2.778
750	2.021	2.011	2.016	1.919
375	1.152	1.132	1.142	1.045
187.5	0.645	0.638	0.642	0.545
94	0.364	0.378	0.371	0.274
47	0.239	0.255	0.247	0.150
23.5	0.162	0.172	0.167	0.070
0	0.095	0.098	0.097	?

Msds

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