



Human Protein Wnt-5b(WNT5B) ELISA kit

Product Code	CSB-EL026139HU
Abbreviation	WNT5B
Protein Biological Process 1	Signaling Pathway
Target Name	wingless-type MMTV integration site family, member 5B
Uniprot No.	Q9H1J7
Alias	MGC2648, WNT-5B protein
Product Type	ELISA Kit
Immunogen Species	Homo sapiens (Human)
Protein Biological Process 3	Wnt signaling pathway
Sample Types	serum, plasma, cell culture supernates, tissue homogenates
Detection Range	0.156 ng/mL-10 ng/mL
Sensitivity	0.039 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	WNT5B
Tag Info	quantitative
Protein Description	Sandwich

Description

This Human WNT5B ELISA Kit was designed for the quantitative measurement of Human WNT5B protein in serum, plasma, cell culture supernates, tissue homogenates. It is a Sandwich ELISA kit, its detection range is 0.156 ng/mL-10 ng/mL and the sensitivity is 0.039 ng/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 94% and 80% amino acid identity to the mouse Wnt5b protein and the human WNT5A protein, respectively. Alternative splicing of this gene generates 2 transcript variants.



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 Human WNT5B 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 %	87-96
1:2	Average %	98
	Range %	94-102
1:4	Average %	94
	Range %	89-98
1:8	Average %	85
	Range %	80-89

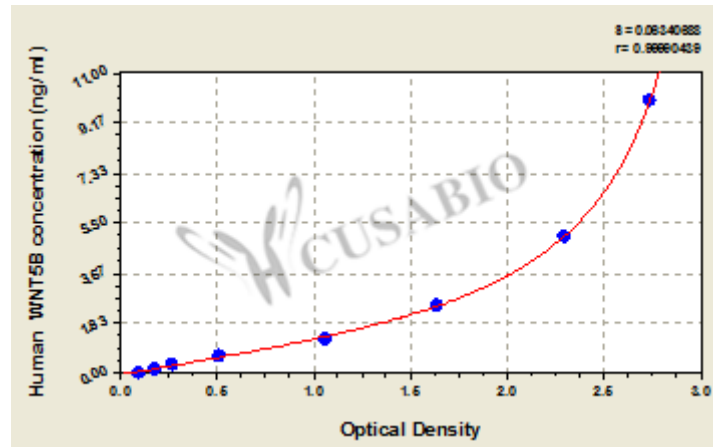
Recovery

The recovery of Human WNT5B 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)	96	90-102
EDTA plasma (n=4)	85	80-90

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
10	2.663	2.767	2.715	2.616
5	2.326	2.225	2.276	2.177
2.5	1.675	1.578	1.627	1.528
1.25	1.085	1.022	1.054	0.955
0.625	0.507	0.523	0.515	0.416
0.312	0.264	0.276	0.270	0.171
0.156	0.178	0.187	0.183	0.084
0	0.099	0.098	0.099	

Msds

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