Wnt-2b ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Wnt-2b, ELISA Kit
Full Product Name	Human Protein Wnt-2b ELISA Kit
Product Gene Name	Wnt-2b elisa kit
Product Synonym Names	Protein Wnt-2b; Protein Wnt-13; WNT2B; WNT13; WNT2B
Species Reactivity	Human
Samples	Serum, plasma, tissue homogenates and other biological fluids.
Detection Range	0.156-10 ng/mL
Sensitivity	Less than 0.082ng/mL
Preparation and Storage	Store at 4 degree C
Molecular Weight	41,830 Da
OMIM	Z71621 mRNA
3D Structure	ModBase 3D Structure for Q93097
Assay Time	3-5h
Sample Volume	100T
Detection Wavelength	450 nm
Related Product Information for Wnt-2b elisa kit	MBS9428386 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Wnt-2b, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing Wnt-2b. The ELISA analytical biochemical technique of the MBS9428386 kit is based on Wnt-2b antibody-Wnt-2b antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect Wnt-2b antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, Wnt-2b. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of Wnt-2b elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Wnt-2b. It may not necessarily be applicable to this product.

NCBI GI #	630044901
NCBI GeneID	7482
NCBI Accession #	NP_001278809.1
UniProt Primary Accession #	Q93097
UniProt Secondary Accession #	O14903; Q5TEH9; Q5TEI2; Q9HDC1; Q9HDC2
UniProt Related Accession #	Q93097
GenBank Nucleotide #	NM_001291880.1

NCBI Official Full Name	protein Wnt-2b isoform 3
NCBI Official Synonym Full Names	Wnt family member 2B
NCBI Official Symbol	WNT2B
NCBI Official Synonym Symbols	WNT13
UniProt Protein Name	Protein Wnt-2b
UniProt Synonym Protein Names	Protein Wnt-13
Protein Family	Protein
UniProt Gene Name	WNT2B
UniProt Synonym Gene Names	WNT13
NCBI Protein Information	protein Wnt-2b
NCBI Summary for Wnt-2b	This gene encodes a member of the wingless-type MMTV integration site (WNT) family of highly conserved, secreted signaling factors. WNT family members function in a variety of developmental processes including regulation of cell growth and differentiation and are characterized by a WNT-core domain. This gene may play a role in human development as well as carcinogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2014]
UniProt Comments for Wnt-2b	WNT2B: Ligand for members of the frizzled family of seven transmembrane receptors. Probable developmental protein. May be a signaling molecule which affects the development of discrete regions of tissues. Is likely to signal over only few cell diameters. May be involved in normal development or differentiation as well as in carcinogenesis. Belongs to the Wnt family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 1p13.2 Cellular Component: extracellular region; extracellular space; intracellular membrane-bound organelle Molecular Function: frizzled binding Biological Process: cell fate commitment; chondrocyte differentiation; forebrain regionalization; lens development in camera-type eye; male gonad development; neuron differentiation; Wnt receptor signaling pathway
Research Articles on Wnt-2b	**1.** A549-Luc-positive cells showed cytotoxicity following exposure to the Ad-shWnt2B vector. The percentage of viable cells was significantly lower in A549-Luc cells treated with Ad-shWnt2B than with Ad-scramble ($p<0.01$ versus control or Ad-scramble, respectively).
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