Wingless-Type Mmtv Integration Site Family, Member 9b (WNT9B) ELISA Kit for Canine

PRODUCT OVERVIEW

Product Name	Wingless-Type Mmtv Integration Site Family, Member 9B (WNT9B), ELISA Kit
Full Product Name	Canine Wingless-Type Mmtv Integration Site Family, Member 9B ELISA Kit
Product Gene Name	WNT9B elisa kit
Species Reactivity	Canine
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	39,001 Da
Chromosome Location	Chromosome: 17; NC_000017.10 (44928968..44954437). Location: 17q21
OMIM	602864
3D Structure	ModBase 3D Structure for O14905
Related Product Information for WNT9B elisa kit	MBS008595 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Wingless-Type Mmtv Integration Site Family, Member 9B (WNT9B) 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 WNT9B. The ELISA analytical biochemical technique of the MBS008595 kit is based on WNT9B antibody-WNT9B antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect WNT9B antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, WNT9B. 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 WNT9B 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 WNT9B. It may not necessarily be applicable to this product.

NCBI GI #	37181546
NCBI GeneID	7484
NCBI Accession #	AAQ88584.1
UniProt Primary Accession #	O14905
UniProt Secondary Accession #	Q6UXT4; Q96Q09
UniProt Related Accession #	O14905
NCBI Official Full Name	WNT9B
NCBI Official Synonym Full Names	wingless-type MMTV integration site family, member 9B
NCBI Official Symbol	WNT9B
NCBI Official Synonym Symbols	WNT15; WNT14B
UniProt Protein Name	Protein Wnt-9b

UniProt Synonym Protein Names	Protein Wnt-14b; Protein Wnt-15
Protein Family	Protein
UniProt Gene Name	WNT9B
UniProt Synonym Gene Names	WNT14B; WNT15
UniProt Entry Name	WNT9B_HUMAN
NCBI Protein Information	protein Wnt-9b; protein Wnt-14b; wingless-type MMTV integration site family, member 15
NCBI Summary for WNT9B	The WNT gene family consists of structurally related genes that 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. Study of its expression in the teratocarcinoma cell line NT2 suggests that it may be implicated in the early process of neuronal differentiation of NT2 cells induced by retinoic acid. This gene is clustered with WNT3, another family member, in the chromosome 17q21 region. [provided by RefSeq, Jul 2008]
UniProt Comments for WNT9B	WNT9B: 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. Belongs to the Wnt family. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 17q21 Cellular Component: extracellular space; proteinaceous extracellular matrix; extracellular region Molecular Function: frizzled binding Biological Process: positive regulation of catalytic activity; regulation of protein amino acid phosphorylation; Wnt receptor signaling pathway; cell fate commitment; response to retinoic acid; regulation of asymmetric cell division; in utero embryonic development; Wnt receptor signaling pathway, planar cell polarity pathway; multicellular organismal development; palate development; Wnt receptor signaling pathway through beta-catenin; embryonic cranial skeleton morphogenesis; cellular response to starvation; neuron differentiation; cell-cell signaling; ureteric bud branching; male genitalia development; regulation of tube size
Research Articles on WNT9B	**1.** Observational study of gene-disease association. (HuGE Navigator)
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