

Human Protein Wnt-11 (WNT11) ELISA Kit | WNT11 elisa kit

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CATALOG #
AAA330256

REACTIVITY
Human

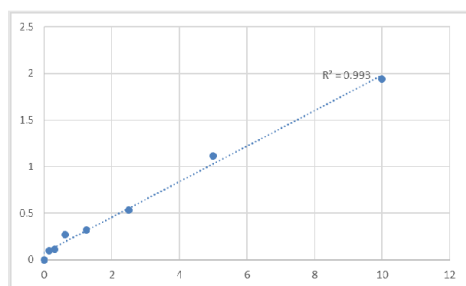
PRODUCT SYNONYMS

Protein Wnt-11 (WNT11); Human Protein Wnt-11 (WNT11) ELISA Kit; WNT11; HWNT11; MGC141946; MGC141948; WNT11 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Protein Wnt-11 (WNT11) ELISA Kit has high sensitivity and excellent specificity for detection of Human WNT11. No significant cross-reactivity or interference between Human WNT11 and analogues was observed.
Sequence Length	354
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Protein Wnt-11 (WNT11) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for WNT11 elisa kit	Description: This Human Protein Wnt-11 (WNT11) ELISA Kit employs a two-site sandwich ELISA to quantitate WNT11 in samples. An antibody specific for WNT11 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any WNT11 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WNT11 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of WNT11 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: WNT11 is the 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. WNT11 is a member of the WNT gene family. It encodes a protein which shows 97%, 85%, and 63% amino acid identity with mouse, chicken, and Xenopus Wnt11 protein, respectively. This gene may play roles in the development of skeleton, kidney and lung, and is considered to be a plausible candidate gene for High Bone Mass Syndrome. The predicted 354-amino acid protein shared 97%, 85%, and 63% identity with mouse, chicken, and Xenopus Wnt11, respectively. In situ hybridization to embryos indicated that, like mouse Wnt11, human WNT11 is expressed in the tips of ureteric buds and in the perichondrium, a stem cell-like layer that surrounds the future bones and directs their growth and regeneration.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	3850706
NCBI GeneID	7481
UniProt Accession #	O96014
NCBI Official Full Name	WNT11
NCBI Official Synonym Full Names	Wnt family member 11
NCBI Official Symbol	WNT11
NCBI Official Synonym Symbols	HWNT11
NCBI Protein Information	protein Wnt-11
UniProt Protein Name	Protein Wnt-11
UniProt Gene Name	WNT11

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.