

Human Proto-Oncogene Wnt-3 (WNT3) ELISA Kit | WNT3 elisa kit

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CATALOG #
AAA330253

REACTIVITY
Human

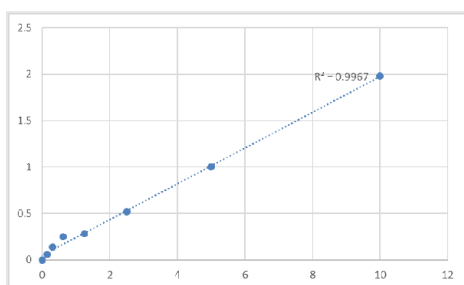
PRODUCT SYNONYMS

Proto-Oncogene Wnt-3 (WNT3); Human Proto-Oncogene Wnt-3 (WNT3) ELISA Kit; WNT3; INT4; MGC131950; MGC138321; MGC138323; WNT-3 proto-oncogene protein; WNT3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Proto-oncogene Wnt-3 (WNT3) ELISA Kit has high sensitivity and excellent specificity for detection of Human WNT3. No significant cross-reactivity or interference between Human WNT3 and analogues was observed.
Sequence Length	355
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 Proto-oncogene Wnt-3 (WNT3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for WNT3 elisa kit	Description: This Human Proto-oncogene Wnt-3 (WNT3) ELISA Kit employs a two-site sandwich ELISA to quantitate WNT3 in samples. An antibody specific for WNT3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any WNT3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WNT3 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 WNT3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: 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. WNT3 is a member of the WNT gene family. It encodes a protein which shows 98% amino acid identity to mouse Wnt3 protein, and 84% to human WNT3A protein, another WNT gene product. The mouse studies show the requirement of Wnt3 in primary axis formation in the mouse. Studies of the gene expression suggest that this gene may play a key role in some cases of human breast, rectal, lung, and gastric cancer through activation of the WNT-beta-catenin-TCF signaling pathway. This gene is clustered with WNT15, another family member, in the chromosome 17q21 region.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16303266
NCBI GeneID	7473
UniProt Accession #	P56703
NCBI Official Full Name	WNT3
NCBI Official Synonym Full Names	Wnt family member 3
NCBI Official Symbol	WNT3
NCBI Official Synonym Symbols	INT4; TETAMS
NCBI Protein Information	proto-oncogene Wnt-3
UniProt Protein Name	Proto-oncogene Wnt-3
UniProt Gene Name	WNT3
UniProt Synonym Gene Names	INT4
UniProt Entry Name	WNT3_HUMAN

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.