

Mouse Protein Wnt-4 (WNT4) ELISA Kit | WNT4 elisa kit

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CATALOG #
AAA332024

REACTIVITY
Mouse

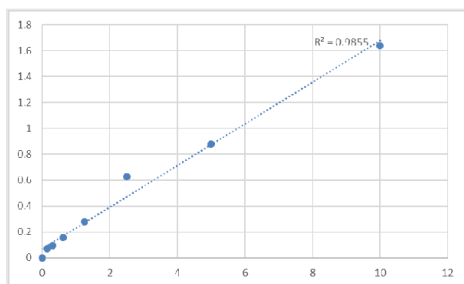
PRODUCT SYNONYMS

Protein Wnt-4 (WNT4); Mouse Protein Wnt-4 (WNT4) ELISA Kit; WNT4; RP1-224A6.7; SERKAL; WNT-4; WNT-4 protein; WNT4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Mouse Protein Wnt-4 (WNT4) ELISA Kit has high sensitivity and excellent specificity for detection of Mouse WNT4. No significant cross-reactivity or interference between Mouse WNT4 and analogues was observed.
Sequence Length	351
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. Mouse Protein Wnt-4 (WNT4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for WNT4 elisa kit	Description: This Mouse Protein Wnt-4 (WNT4) ELISA Kit employs a two-site sandwich ELISA to quantitate WNT4 in samples. An antibody specific for WNT4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any WNT4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WNT4 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 WNT4 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. WNT4 is a member of the WNT gene family, and is the first signaling molecule shown to influence the sex-determination cascade. It encodes a protein which shows 98% amino acid identity to the Wnt4 protein of mouse and rat. This gene and a nuclear receptor known to antagonize the testis-determining factor play a concerted role in both the control of female development and the prevention of testes formation. This gene and another two family members, WNT2 and WNT7B, may be associated with abnormal proliferation in breast tissue.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6678595
NCBI GeneID	22417
NCBI Accession #	NP_033549.1
NCBI GenBank Nucleotide #	NP_033549.1
UniProt Accession #	P22724
NCBI Official Full Name	protein Wnt-4
NCBI Official Synonym Full Names	wingless-type MMTV integration site family, member 4
NCBI Official Symbol	Wnt4
NCBI Official Synonym Symbols	Wnt-4
NCBI Protein Information	protein Wnt-4
UniProt Protein Name	Protein Wnt-4
UniProt Gene Name	Wnt4
UniProt Synonym Gene Names	Wnt-4
UniProt Entry Name	WNT4_MOUSE

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.