

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

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CATALOG #
AAA330139

REACTIVITY
Rat

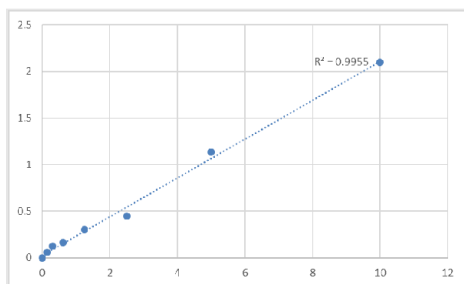
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Protein Wnt-4 (WNT4) ELISA Kit has high sensitivity and excellent specificity for detection of Rat WNT4. No significant cross-reactivity or interference between Rat 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. Rat Protein Wnt-4 (WNT4) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for WNT4 elisa kit	Description: This Rat 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: WNT5A is a member of the WNT gene family. It encodes a protein which shows 98%, 98% and 87% amino acid identity to the mouse, rat and the xenopus Wnt5A protein, respectively. The experiments performed in Xenopus laevis embryos identified that human frizzled-5 (hFz5) is the receptor for the Wnt5A ligand and the Wnt5A/hFz5 signaling mediates axis induction. In the presence of a chemokine gradient, this Wnt-mediated receptor-actin-myosin polarity structure accumulates asymmetrically at the cell periphery, where it triggers membrane contractility and nuclear movement in the direction of membrane retraction. The process requires endosome trafficking, is associated with multivesicular bodies, and is regulated by Wnt5a through the small guanosine triphosphates Rab4 and RhoB.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	16758130
NCBI GeneID	84426
NCBI Accession #	NP_445854.1
NCBI GenBank Nucleotide #	NP_445854.1
UniProt Accession #	Q9QXQ5
NCBI Official Full Name	protein Wnt-4
NCBI Official Synonym Full Names	Wnt family member 4
NCBI Official Symbol	Wnt4
NCBI Protein Information	protein Wnt-4
UniProt Protein Name	Protein Wnt-4
UniProt Gene Name	Wnt4
UniProt Synonym Gene Names	Wnt-4

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.