

Rat Protein Wnt-5a (WNT5A) ELISA Kit | WNT5A elisa kit

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CATALOG #
AAA330138

REACTIVITY
Rat

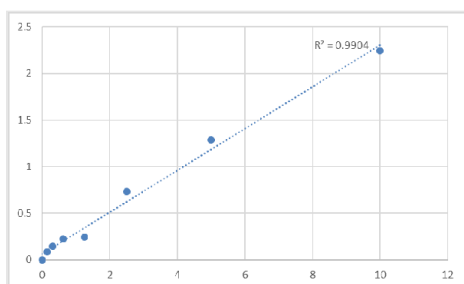
PRODUCT SYNONYMS

Protein Wnt-5a (WNT5A); Rat Protein Wnt-5a (WNT5A) ELISA Kit; WNT5A; hWNT5A; WNT-5A protein; WNT5A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Rat Protein Wnt-5a (WNT5A) ELISA Kit has high sensitivity and excellent specificity for detection of Rat WNT5A. No significant cross-reactivity or interference between Rat WNT5A and analogues was observed.
Sequence Length	380
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-5a (WNT5A) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for WNT5A elisa kit	Description: This Rat Protein Wnt-5a (WNT5A) ELISA Kit employs a two-site sandwich ELISA to quantitate WNT5A in samples. An antibody specific for WNT5A has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any WNT5A present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WNT5A 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 WNT5A 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. This gene is a member of the WNT gene family. It encodes a protein which shows 94% and 80% amino acid identity to the mouse Wnt5b protein and the human WNT5A protein, respectively. Alternative splicing of this gene generates 2 transcript variants. WNT5B encodes a deduced 359-amino acid protein with an N-terminal signal peptide, 4 N-linked glycosylation sites, and conserved residues of the WNT family. The WNT5B protein shares 80% sequence identity with WNT5A.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	130496137
NCBI GeneID	100009381
NCBI Accession #	NP_001076134.1
NCBI GenBank Nucleotide #	NP_001076134.1
UniProt Accession #	Q27Q52
NCBI Official Full Name	protein Wnt-5a
NCBI Official Symbol	WNT5A
NCBI Official Synonym Symbols	WNT-5A
NCBI Protein Information	protein Wnt-5a
UniProt Protein Name	Protein Wnt-5a
UniProt Gene Name	WNT5A
UniProt Entry Name	WNT5A_RABIT

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.