

Human Protein Wnt-7b ELISA Kit | WNT7B elisa kit

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CATALOG #
AAA17331

REACTIVITY
Human

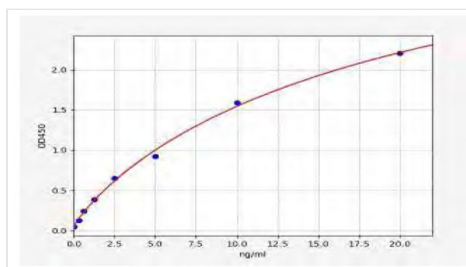
PRODUCT SYNONYMS

Protein Wnt-7b; Human Protein Wnt-7b ELISA Kit; WNT7B; WNT7B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize WNT7B, no obvious cross reaction with other analogues
Sequence Length	349
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for WNT7B elisa kit	Background: Wnt-7b is a secreted glycosylated protein that belongs to the Wnt family. Wnt proteins can be lipid-modified and are ligands for members of the frizzled family of receptors, which mediates cell-cell communication during development. Diseases associated with WNT7B include Microphthalmia, Syndromic 9 and Macs Syndrome. Among its related pathways are ncRNAs involved in Wnt signaling in hepatocellular carcinoma and Wnt Pathway. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti WNT7B antibody was pre-coated onto the 96-well plate. The biotin conjugated anti WNT7B antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with WNT7B conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of WNT7B in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	17505193
NCBI GeneID	7477
NCBI Accession #	NP_478679.1
NCBI GenBank Nucleotide #	NM_058238.2
Molecular Weight	39,327 Da
NCBI Official Full Name	protein Wnt-7b
NCBI Official Synonym Full Names	wingless-type MMTV integration site family member 7B
NCBI Official Symbol	WNT7B
NCBI Protein Information	protein Wnt-7b
UniProt Protein Name	Protein Wnt-7b
UniProt Gene Name	WNT7B
UniProt Entry Name	WNT7B_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.

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Online datasheet: <https://stage.aaabiotech.com/wnt7b-human-elisa-kits/protein-wnt-7b/17331>