

Mouse Protein Wnt-7b (WNT7B) ELISA Kit

Catalog No: #EK5823



Package Size: #EK5823-1 48T #EK5823-2 96T

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Description

Product Name	Mouse Protein Wnt-7b (WNT7B) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Accession No.	P28047
Uniprot	P28047
GeneID	22422;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.053 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate WNT7B in samples. An antibody specific for WNT7B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyWNT7B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for WNT7B 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 WNT7B bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**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, and may be implicated in development of early embryos as well as germ cell tumors. It encodes a protein which shows 81% amino acid identity to the mouse Wnt8A protein.WNT8A gene encode a 351-amino acid protein with an N-terminal signal peptide, 3 N-linked glycosylation sites, and residues conserved among members of the WNT family. The WNT8A protein shares 63.2% sequence identity with human WNT8B and homology with the mouse Wnt8d protein.

Note: This product is for in vitro research use only