

Mouse Dickkopf-related protein 3 (DKK3) ELISA Kit

Catalog No: #EK10651



Package Size: #EK10651-1 48T #EK10651-2 96T

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Description

Product Name	Mouse Dickkopf-related protein 3 (DKK3) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	REIC; RIG; RIG-like 5-6 RIG-like 7-1 dickkopf 3 dickkopf homolog 3 regulated in glioma
Accession No.	Q9QUN9
Uniprot	Q9QUN9
GeneID	50781;
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:0.057 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 DKK3 in samples. An antibody specific for DKK3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyDKK3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DKK3 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 DKK3 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**DKK3 is a protein that is a member of the dickkopf family. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. The expression of this gene is decreased in a variety of cancer cell lines and it may function as a tumor suppressor gene. Alternative splicing results in multiple transcript variants encoding the same protein.DKK3 has 4 potential N-glycosylation sites and possesses an extended N-terminal domain preceding the first cys domain as well as an extended C-terminal region following the second cys domain. All DKKs have several potential sites for cleavage by furin-type proteases. Northern blot analysis revealed wide expression of a 2.5-kb DKK3 transcript, with highest expression in heart, brain, and spinal cord.

Note: This product is for in vitro research use only