

Mouse DKK4 ELISA Kit | Dkk4 elisa kit

Mouse DKK4 PicoKine ELISA Kit

CATALOG #
AAA46801

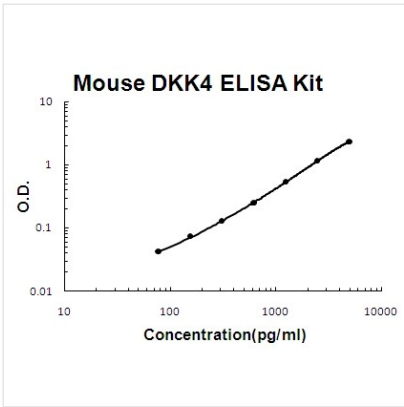
REACTIVITY
Mouse

PRODUCT SYNONYMS

DKK4; Mouse DKK4 PicoKine ELISA Kit; Dickkopf 4; Dickkopf gene 4; Dickkopf homolog 4; Dickkopf related protein 4; Dickkopf4; DKK 4; hDkk4; MGC129562; MGC129563; MGC25705; RGD1563172; Q9UBT3; dickkopf WNT signaling pathway inhibitor 4; Dkk4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant mouse DKK4
Sequence Length	221
Assay Range	78pg/ml-5000pg/ml
Sensitivity	<10pg/ml
Anticoagulant	heparin or EDTA
TMB incubation time	25-30
Immunogen	NSO, L19-I221
Sample Data	Concentration(pg/ml): 0 78 156 312 625 1250 2500 5000 O.D.: 0.011 0.042 0.073 0.129 0.247 0.534 1.147 2.304
Intra/Inter Assay Precision	Sample: 1 2 3 1 2 3 n: 16 16 16 24 24 24 Mean(pg/ml): 103 495 1943 81 513 2209 Standard Deviation: 8.13 23.76 102.98 5.59 27.18 92.78 CV(%): 7.9 4.8 5.3 6.9 5.3 4.2
Assay Procedure Step 1	Aliquot 0.1ml per well of the 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 313pg/ml, 156pg/ml, 78pg/ml mouse DKK4 standard solutions into the precoated 96-well plate. Add 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml of each properly diluted sample of mouse cell culture supernates, serum or plasma (heparin, EDTA) to each empty well. It is recommended that each mouse DKK4 standard solution and each sample be measured in duplicate.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles.



Standard Curve (Sample)
Mouse DKK4 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Dkk4 elisa kit	For quantitative detection of mouse DKK4 in cell culture supernates, cell lysates, tissue homogenates, serum and plasma (heparin, EDTA). Background: DKK4 is a membersof the Dickkopf family which are negative regulators of the growth-promoting Wnt / beta-catenin signaling pathway. By FISH, the DKK4 gene was mapped to chromosome 8p11.2-p11.1. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. Activity of this protein is modulated by binding to the Wnt co-receptor and the co-factor kremen 2. The expression of DKK4 was significantly reduced in hepatocellular carcinomas (HCCs), particularly in HCCs that showed cytoplasmic beta- catenin accumulation. DKK4 expression was also reduced in HCC cell lines. Ectopic expression of DKK4 in 2 HCC cell lines reduced beta-catenin and cyclin D1 protein levels and attenuated beta-catenin activity in reporter gene assays. Principle: Mouse DKK4 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from Rat specific for DKK4 has been precoated onto 96-well plates. Standards (Expression system for standard: NSO, Immunogen sequence: L19-I221) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for DKK4 is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substRate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Mouse DKK4 amount of sample captured in plate.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	21704186
NCBI GeneID	234130
NCBI Accession #	NP_663567.1
NCBI GenBank Nucleotide #	NM_145592.2
UniProt Accession #	Q8VEJ3
Molecular Weight	24,261 Da
NCBI Official Full Name	dickkopf-related protein 4
NCBI Official Synonym Full Names	dickkopf WNT signaling pathway inhibitor 4
NCBI Official Symbol	Dkk4
NCBI Official Synonym Symbols	Dkk-4
NCBI Protein Information	dickkopf-related protein 4
UniProt Protein Name	Dickkopf-related protein 4

UniProt Gene Name	Dkk4
UniProt Synonym Gene Names	Dickkopf-4; Dkk-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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/dkk4/46801>