

Mouse Dkk3 (Dickkopf-related protein 3) ELISA Kit | Dkk3 elisa kit

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CATALOG #
AAA248992

REACTIVITY
Mouse

PRODUCT SYNONYMS

Dkk3 (Dickkopf-related protein 3); Mouse Dkk3 (Dickkopf-related protein 3) ELISA Kit; Dkk3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of DKK-1. No significant cross-reactivity or interference between DKK-1 and analogues was observed.
Sequence Length	350
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DKK-1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DKK-1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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

Typical Data & Standard Curve

Results of a typical standard operation of a Dkk3 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A=not applicable)

X	ng/ml	0	0.156	0.312	0.625	1.25	2.5	5	10
Y	OD450	0.085	0.154	0.199	0.299	0.537	0.894	1.472	2.281

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Dkk3 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-DKK-1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-DKK-1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were 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 DKK-1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of DKK-1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	66346689
NCBI GeneID	27122
NCBI Accession #	NP_001018067.1
NCBI GenBank Nucleotide #	NM_001018057.1
UniProt Accession #	Q9UBP4; Q9ULB7; A8K1I2; D3DQW1
Molecular Weight	38,390 Da
NCBI Official Full Name	dickkopf-related protein 3 isoform 1
NCBI Official Synonym Full Names	dickkopf WNT signaling pathway inhibitor 3
NCBI Official Symbol	DKK3
NCBI Official Synonym Symbols	RIG; REIC
NCBI Protein Information	dickkopf-related protein 3
UniProt Protein Name	Dickkopf-related protein 3
UniProt Gene Name	DKK3
UniProt Synonym Gene Names	REIC; Dickkopf-3; Dkk-3; hDkk-3

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/dkk3-dickkopf-related-protein-3/248992>