

Rat Dickkopf Related Protein 3 (DKK3) ELISA Kit | DKK3 elisa kit

Rat Dickkopf Related Protein 3 (DKK3) ELISA Kit

CATALOG #
AAA135992

REACTIVITY
Rat

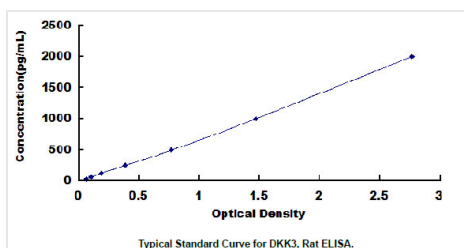
PRODUCT SYNONYMS

Dickkopf Related Protein 3 (DKK3); Rat Dickkopf Related Protein 3 (DKK3) ELISA Kit; REIC; DKK3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of DKK3. No significant cross-reactivity or interference between DKK3 and analogues was observed.
Sequence Length	350
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenatesand other biological fluids
Detection Range	31.2-2,000pg/mL
Sensitivity	12.5pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level DKK3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level DKK3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DKK3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of DKK3 in rat serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to DKK3. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to DKK3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain DKK3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of DKK3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for DKK3 elisa kit	Signal Transduction

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
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
UniProt Entry Name	DKK3_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.