

Rat DKK1 PicoKine ELISA Kit | Dkk1 elisa kit

Rat DKK1 PicoKine ELISA Kit

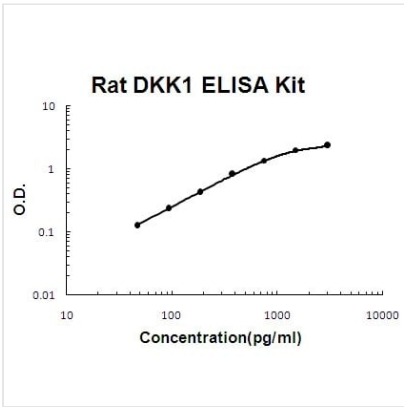
CATALOG # AAA46168	REACTIVITY Rat
------------------------------	--------------------------

PRODUCT SYNONYMS

DKK1 PicoKine; Rat DKK1 PicoKine ELISA Kit; Dickkopf-related protein 1; Dickkopf 1; Dickkopf homolog 1; Dickkopf related protein 1; DKK 1; DKK1; DKK-1; hDkk 1; hDkk1; mDkk1; SK; dickkopf WNT signaling pathway inhibitor 1; Dkk1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat DKK1
Sequence Length	270
Assay Range	46.9pg/ml-3000pg/ml
Sensitivity	<15pg/ml
Sample	For quantitative detection of rat DKK1 in cell culture supernates, serum and plasma(heparin, EDTA).
Immunogen	NSO, S23-H270
Assay Procedure Step 1	Aliquot 0.1ml per well of the 3000pg/ml, 1500pg/ml, 750pg/ml, 375.pg/ml, 187.5pg/ml, 93.8pg/ml, 46.9pg/ml rat DKK1 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 rat cell culture supernatants, serum or plasma (heparin, EDTA) to each empty well. We recommend that each rat DKK1 standard solution and each sample is measured in duplicate.
Intra-Assay Precision	Inter-Assay Precision Sample 1 2 3 1 2 3 n 16 16 16 24 24 24 Mean(pg/ml) 247.5 838 1974 280.3 997 2514 Standard deviation 12.13 47.77 122.39 18.22 73.78 173.47 CV(%) 4.9 5.7 6.2 6.5 7.4 6.9
Sample Data	Concentration(pg/ml) 0 46.9 93.8 187.5 375 750 1500 3000 O.D. 0.005 0.127 0.237 0.429 0.830 1.324 1.942 2.370
Anticoagulant	Heparin or EDTA
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)
Rat DKK1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for Dkk1 elisa kit	Principle of the assay: Rat DKK1 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for DKK1 has been precoated onto 96-well plates. Standards(Expression system for standard: NSO, Immunogen sequence: S23-H270) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for DKK1 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 rat DKK1 amount of sample captured in plate. Background: Dickkopf-related protein 1 is a protein that in humans is encoded by the DKK1 gene, which was mapped to chromosome 10q11.2. This gene encodes a protein that is a member of the dickkopf family. It is a secreted protein with two cysteine rich regions and is involved in embryonic development through its inhibition of the WNT signaling pathway. Elevated levels of DKK1 in bone marrow, plasma and peripheral blood is associated with the presence of osteolytic bone lesions in patients with multiple myeloma.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	157822129
NCBI GeneID	293897
NCBI Accession #	NP_001099820.1
NCBI GenBank Nucleotide #	NM_001106350.1
UniProt Accession #	D3Z9J1
Molecular Weight	29,149 Da
NCBI Official Full Name	dickkopf-related protein 1
NCBI Official Synonym Full Names	dickkopf WNT signaling pathway inhibitor 1
NCBI Official Symbol	Dkk1
NCBI Protein Information	dickkopf-related protein 1
UniProt Protein Name	Dickkopf homolog 1 (Xenopus laevis) (Predicted)
UniProt Gene Name	Dkk1
UniProt Entry Name	D3Z9J1_RAT

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/rat-elisa-kits/dkk1-picokine/46168>