

Rat DKK1 ELISA Kit | DKK1 elisa kit

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CATALOG #
AAA263159

REACTIVITY
Rat

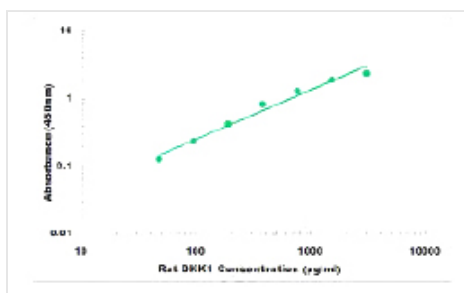
PRODUCT SYNONYMS

DKK1; Rat DKK1 ELISA Kit; Dickkopf-related protein 1; Dickkopf-1; Dkk-1; hDkk-1; SK; DKK1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	The Rat DKK1 ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Rat DKK1 proteins within the range of 46.9 pg/ml - 3000 pg/ml.
Sequence Length	270
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DKK1 elisa kit

Principle of the Assay: The Rat DKK1 ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Rat DKK1 in Cell Culture Supernates, Serum, Plasma. This assay employs an antibody specific for Rat DKK1 coated on a 96-well plate. Standards and samples are pipetted into the wells and DKK1 present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Rat DKK1 antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of DKK1 bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

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.

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Online datasheet: <https://www.aaabiotech.com/rat-elisa-kits/dkk1/263159>