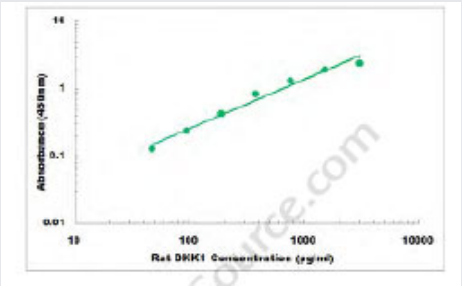
DKK1 ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	DKK1, ELISA Kit
Full Product Name	Rat DKK1 ELISA Kit
Product Gene Name	DKK1 elisa kit
Product Synonym Names	Dickkopf-related protein 1; Dickkopf-1; Dkk-1; hDkk-1; SK
Species Reactivity	Rat
Samples	Cell Culture Supernates, Serum, Plasma
Sensitivity	<15 pg/ml
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.
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.
Molecular Weight	29,149 Da
3D Structure	ModBase 3D Structure for D3Z9J1
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.
Other Notes	Small volumes of DKK1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for DKK1 purchase	MBS8248476 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the DKK1, ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing DKK1. The ELISA analytical biochemical technique of the MBS8248476 kit is based on DKK1 antibody-DKK1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect DKK1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, DKK1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of DKK1 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DKK1. It may not necessarily be applicable to this product.

NCBI GI #	157822129
NCBI GeneID	293897
NCBI Accession #	NP_001099820.1
UniProt Primary Accession #	D3Z9J1
GenBank Nucleotide #	NM_001106350.1
NCBI Official Full Name	dickkopf-related protein 1
NCBI Official Synonym Full Names	dickkopf WNT signaling pathway inhibitor 1
NCBI Official Symbol	Dkk1
UniProt Protein Name	Dickkopf homolog 1 (Xenopus laevis) (Predicted)
UniProt Synonym Protein Names	Dickkopf homolog 1 (Xenopus laevis) (Predicted)
Protein Family	Dickkopf-related protein
UniProt Gene Name	Dkk1
UniProt Entry Name	D3Z9J1_RAT
NCBI Protein Information	dickkopf-related protein 1
Research Articles on DKK1	**1.** platelet-derived Dickkopf-1 (Dkk1) as the major Wnt antagonist contributing to the suppression of Wnt/beta-catenin signaling in AECs during acute lung inflammation.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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