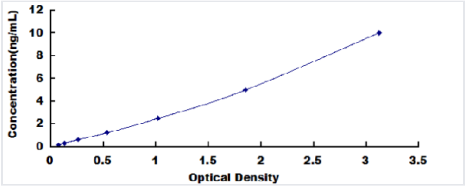
Dickkopf Related Protein 2 (DKK2) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Dickkopf Related Protein 2 (DKK2), ELISA Kit
Full Product Name	Human Dickkopf Related Protein 2 (DKK2) ELISA Kit
Product Gene Name	DKK2 elisa kit
Product Synonym Names	Dickkopf Homolog 2(Xenopus Laevis)
Species Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Detection Range	78.125-5000pg/mL
Sensitivity	34pg/mL
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Molecular Weight	28,447 Da
OMIM	AF177395 mRNA
3D Structure	ModBase 3D Structure for Q9UBU2
Intra Assay	CV<10%
Inter Assay	CV<12%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for DKK2 elisa kit	MBS455136 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Dickkopf Related Protein 2 (DKK2) 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 DKK2. The ELISA analytical biochemical technique of the MBS455136 kit is based on DKK2 antibody-DKK2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect DKK2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, DKK2. 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(%).
Other Notes	Small volumes of DKK2 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.



Typical Testing Data/Standard Curve (for reference only) of DKK2 elisa kit

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for DKK2. It may not necessarily be applicable to this product.

NCBI GI #	7657023
NCBI GeneID	27123
NCBI Accession #	NP_055236.1
UniProt Primary Accession #	Q9UBU2
UniProt Secondary Accession #	Q9UIU3; A0AVE9; B2R6S7
UniProt Related Accession #	Q9UBU2
GenBank Nucleotide #	NM_014421.2
NCBI Official Full Name	dickkopf-related protein 2
NCBI Official Synonym Full Names	dickkopf WNT signaling pathway inhibitor 2
NCBI Official Symbol	DKK2
NCBI Official Synonym Symbols	DKK-2
UniProt Protein Name	Dickkopf-related protein 2
Protein Family	Dickkopf-related protein
UniProt Gene Name	DKK2
UniProt Synonym Gene Names	Dickkopf-2; Dkk-2; hDkk-2
NCBI Protein Information	dickkopf-related protein 2
NCBI Summary for DKK2	This gene encodes a protein that is a member of the dickkopf family. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. It can act as either an agonist or antagonist of Wnt/beta-catenin signaling, depending on the cellular context and the presence of the co-factor kremen 2. Activity of this protein is also modulated by binding to the Wnt co-receptor LDL-receptor related protein 6 (LRP6). [provided by RefSeq, Jul 2008]
UniProt Comments for DKK2	Antagonizes canonical Wnt signaling by inhibiting LRP5/6 interaction with Wnt and by forming a ternary complex with the transmembrane protein KREMEN that promotes internalization of LRP5/6. DKKs play an important role in vertebrate development, where they locally inhibit Wnt regulated processes such as antero-posterior axial patterning, limb development, somitogenesis and eye formation. In the adult, Dkks are implicated in bone formation and bone disease, cancer and Alzheimer disease ().
Research Articles on DKK2	**1.** MiR-21 overexpression was significantly correlated with the DKK2-/beta-catenin- immunohistochemical phenotype.
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