

Human DKK-3 ELISA Kit | DKK3 elisa kit

Human DKK-3 PicoKine ELISA Kit

CATALOG #
AAA45857

REACTIVITY
Human

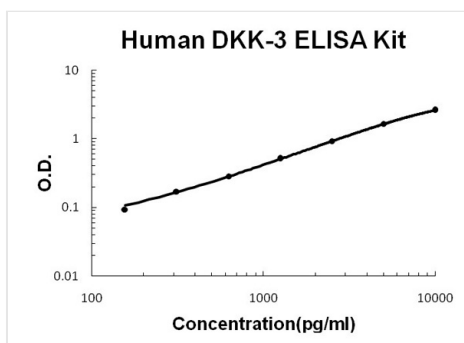
PRODUCT SYNONYMS

DKK-3; Human DKK-3 PicoKine ELISA Kit; Dickkopf-related protein 3; dickkopf WNT signaling pathway inhibitor 3; Dickkopf 3; Dickkopf 3 homolog (Xenopus laevis); Dickkopf 3 homolog; Dickkopf homolog 3; Dickkopf related protein 3; Dickkopf relatedprotein 3 Precursor; Dickkopf WNT signaling pathway inhibitor 3; Dickkopf; Xenopus; homolog of; 3; Dickkopf-3; Dickkopf3; DKK 3; Dkk-3; DKK3; DKK3_HUMAN; hDkk 3; hDkk-3; hDkk3; Regulated in glioma; REIC; RIG; RIG-like 5-6; RIG-like 7-1; DKK3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant human DKK-3
Sequence Length	350
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Human DKK-3 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for DKK3 elisa kit

Principle of the assay: human DKK-3 ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for DKK-3 has been precoated onto 96-well plates. Standards(NSO, A22-I350) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for DKK-3 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 human DKK-3 amount of sample captured in plate.

Background: Dickkopf-related protein 3 is a protein that in humans is encoded by the DKK3 gene. This gene encodes a protein that is a member of the dickkopf family. It is mapped to 11p15.3. The secreted protein contains two cysteine rich regions and is involved in embryonic development through its interactions with the Wnt signaling pathway. The expression of this gene is decreased in a variety of cancer cell lines and it may function as a tumor suppressor gene. Members of the Dkk-related family display unique patterns of mRNA expression in human and mouse tissues, and are secreted when expressed in 293T cells. 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	311033372
NCBI GeneID	27122
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; dkk-3; hDkk-3; dickkopf-3; RIG-like 5-6; RIG-like 7-1; dickkopf 3 homolog; dickkopf homolog 3; regulated in glioma
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/dkk3-human-elisa-kits/dkk-3/45857>