

Human DKK-1 ELISA Kit | DKK1 elisa kit

Human DKK-1 PicoKine ELISA Kit

CATALOG #
AAA45576

REACTIVITY
Human

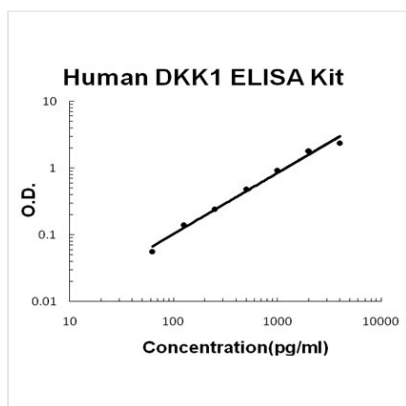
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Oligomeric forms of natural and recombinant human DKK1
Sequence Length	266
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	62.5pg/ml-4000pg/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-1 PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for DKK1 elisa kit	Principle of the assay: human 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(sf21,T32-H266) 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 human 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.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	22943
UniProt Accession #	I1W660; O94907
Molecular Weight	28,672 Da
NCBI Official Synonym Full Names	dickkopf WNT signaling pathway inhibitor 1
NCBI Official Symbol	DKK1
NCBI Official Synonym Symbols	SK; DKK-1
NCBI Protein Information	dickkopf-related protein 1; hDkk-1; dickkopf-1 like; dickkopf 1 homolog; dickkopf-like protein 1; dickkopf related protein-1
UniProt Protein Name	Dickkopf-like protein 1
UniProt Gene Name	DKK1
UniProt Entry Name	I1W660_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.

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Online datasheet: <https://stage.aaabiotech.com/dkk1-human-elisa-kits/dkk-1/45576>