

Human DKK-4 ELISA Kit | DKK-4 elisa kit

Human DKK-4 PicoKine ELISA Kit

CATALOG #
AAA124975

REACTIVITY
Human

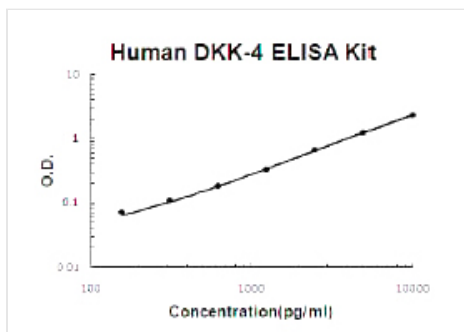
PRODUCT SYNONYMS

DKK-4; Human DKK-4 PicoKine ELISA Kit; Human DKK-4; DKK-4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human DEFA1
Sequence Length	224
Samples	Cell Culture Supernates, Serum And Plasma (Heparin, Edta)
Detection Range	156pg/ml-10000pg/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 accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DKK-4 elisa kit	Principle of the Assay: The Picokine Human DEFA1 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human DEFA1 with a 96-well strip plate that is pre-coated with antibody specific for DEFA1. The detection antibody is a biotinylated antibody specific for DEFA1. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human DEFA1 with immunogen: Expression system for standard: E.coli,D39-C94. The kit is analytically validated with ready to use reagents. To measure Human DEFA1, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly propotional to Human DEFA1 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human DEFA1 in the sample!!Background/Introduction: Defensin is a human protein that is encoded by the DEFA1 gene. Defensins are a family of antimicrobial and cytotoxic peptides thought to be involved in host defense. They are abundant in the granules of neutrophils and also found in the epithelia of mucosal surfaces such as those of the intestine, respiratory tract, urinary tract, and vagina. The protein encoded by this gene, defensin, alpha 1, is found in the microbicidal granules of neutrophils and likely plays a role in phagocyte-mediated host defense. Members of the defensin family are highly similar in protein sequence and distinguished by a conserved cysteine motif. Several alpha defensin genes are clustered on chromosome 8. This gene differs from defensin, alpha 3 by only one amino acid. This gene and the gene encoding defensin, alpha 3 are both subject to copy number variation.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657025
NCBI GeneID	27121
NCBI Accession #	NP_055235.1
NCBI GenBank Nucleotide #	NM_014420.3
UniProt Accession #	Q9UBT3
NCBI Official Full Name	dickkopf-related protein 4
NCBI Official Synonym Full Names	dickkopf WNT signaling pathway inhibitor 4
NCBI Official Symbol	DKK4
NCBI Official Synonym Symbols	DKK-4
NCBI Protein Information	dickkopf-related protein 4

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/human-elisa-kits/dkk-4/124975>