

ARG81472 Human DKK4 ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81472-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81472-002	Standard	2 X 10 ng/vial	4°C
ARG81472-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81472-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81472-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81472-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81472-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81472-008	25X Wash buffer	20 ml	4°C
ARG81472-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81472-010	STOP solution	10 ml (Ready to use)	4°C
ARG81472-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81472 Human DKK4 ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human DKK4 in serum, plasma (heparin, EDTA) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	DKK4
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	78 pg/ml
Sample Type	Serum, plasma (heparin, EDTA) and cell culture supernatants.
Standard Range	156 - 10000 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 6.4% Inter-Assay CV: 7.4%
Alternate Names	Dkk-4; Dickkopf-4; DKK-4; Dickkopf-related protein 4; hDkk-4

Application Instructions

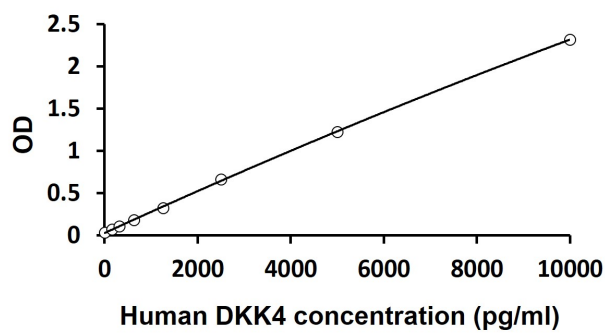
Assay Time	~ 5 hours
------------	-----------

Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	DKK4
Gene Full Name	dickkopf WNT signaling pathway inhibitor 4
Background	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. Activity of this protein is modulated by binding to the Wnt co-receptor and the co-factor kremen 2. [provided by RefSeq, Jul 2008]
Function	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 (By similarity). [UniProt]
Highlight	Related products: DKK4 antibodies ; DKK4 ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	Appears to be not glycosylated. Can be proteolytically processed by a furin-like protease. [UniProt]



ARG81472 Human DKK4 ELISA Kit standard curve image

ARG81472 Human DKK4 ELISA Kit results of a typical standard run with optical density reading at 450 nm.