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DKK1 ELISA Kit





Overview

Quantity:	1 kit
Target:	DKK1
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	62.5 pg/mL - 4000 pg/mL
Minimum Detection Limit:	62.5 pg/mL
Application:	ELISA

Product Details	
Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	Synonyms: Dickkopf 1, Dickkopf homolog 1, Dickkopf related protein 1, DKK 1, hDkk 1, hDkk1, mDkk1, SK
	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.

Gene Name: DKK1

Production: Oligomeric forms of natural and recombinant human DKK1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: sf21, Immunogen sequence: T32-H266

Target Details

Target:	DKK1
Alternative Name:	DKK-1 (DKK1 Products)
Gene ID:	83430
NCBI Accession:	NP_112542
UniProt:	Q9EQ14
Pathways:	WNT Signaling, Regulation of Muscle Cell Differentiation, Positive Regulation of fat Cell Differentiation

Application Details

Application Note	2S:
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Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL human DKK1 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human DKK1 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 62.5pg/mL-4000pg/mL

Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at

Sample Volume:

100 μL

Plate:

Pre-coated

Restrictions:

For Research Use only

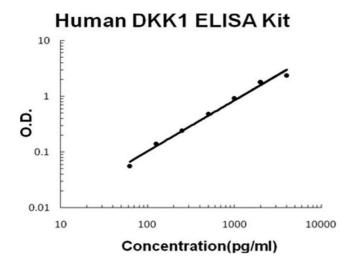
Handling

Storage Comment:

Storage: RT,4 °C,-20 °C

room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.

Images



ELISA

Image 1. Human DKK-1 Accusignal ELISA Kit Human DKK-1 AccuSignal ELISA Kit standard curve. Assay Range: 62.5pg/ml-4000pg/ml. Sensitivity: <10pg/ml.