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Datasheet for ABIN6719679 DKK1 ELISA Kit

Overview

Quantity:	1 kit
Target:	DKK1
Reactivity:	Rat
Method Type:	Sandwich ELISA
Detection Range:	46.9 pg/mL - 3000 pg/mL
Minimum Detection Limit:	46.9 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, DKK1, 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.

Product Details

Gene Name: DKK1

Production: Natural and recombinant rat DKK1. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: S23-H270

Target Details

Target:	DKK1
Alternative Name:	DKK1 (DKK1 Products)
Gene ID:	293897
NCBI Accession:	NP_001099820
UniProt:	D3Z9J1
Pathways:	WNT Signaling , Regulation of Muscle Cell Differentiation , Positive Regulation of fat Cell Differentiation

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 3000pg/mL, 1500pg/mL, 750pg/mL, 419.pg/mL, 187.5pg/mL, 93.8pg/mL, 46.9pg/mL rat 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 rat cell culture supernatants, serum or plasma (heparin, EDTA) to each empty well. We recommend that each rat DKK1 standard solution and each sample is measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 46.9pg/mL-3000pg/mL

Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT, 4 °C, -20 °C
Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at

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.