

Datasheet for KOA0865**Rat DKK1 ELISA Kit****Overview**

Description:	Rat DKK1 AccuSignal ELISA Kit - KOA0865
Item No.:	KOA0865
Size:	1 Kit
Applications:	ELISA
Reactivity:	Rat
Range:	46.9 pg/ml - 3000 pg/ml

Product Details

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.
Synonyms:	Dickkopf 1, Dickkopf homolog 1, Dickkopf related protein 1, DKK 1, DKK1, DKK-1, hDkk 1, hDkk1, mDkk1, SK
Detection Kit Type:	ELISA Kit
Detection Range:	46.9 pg/ml - 3000 pg/ml
Sensitivity:	<15 pg/ml

Target Details

Gene Name:	DKK1
Reactivity:	Rat
Immunogen:	Expression system for standard: NSO; Immunogen sequence: S23-H270
Purity/Specificity:	Natural and recombinant rat DKK1. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - D3Z9J1

- [NCBI - NP_001099820.1](#)
- [GeneID - 293897](#)
- [KOA0865 Protocol](#)

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml 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 0.1ml of the sample diluent buffer into the control well (Zero well). Add 0.1ml 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.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

Formulation

Anticoagulant:	Heparin Sodium
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Shipping & Handling

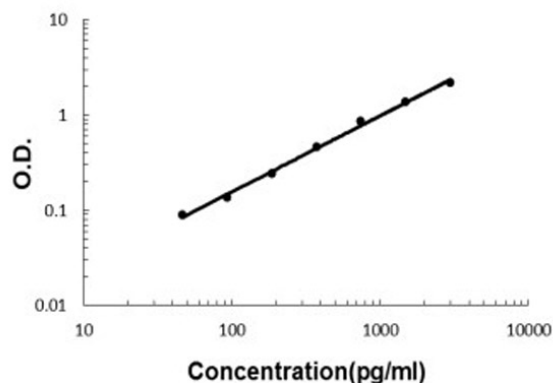
Shipping Condition:	Wet Ice
Storage Condition:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
Expiration:	See kit insert for complete instructions.

Images

Rat DKK1 ELISA Kit

ELISA

Rat DKK1 ELISA Kit standard curve.



Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.