

Datasheet for KOA0489**Human KLK8 - Kallikrein-8 ELISA Kit****Overview**

Description:	Human KLK8/Kallikrein-8 AccuSignal ELISA Kit - KOA0489
Item No.:	KOA0489
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	156 pg/ml - 10000 pg/ml

Product Details

Background:	Kallikrein-8 is a protein that in humans is encoded by the KLK8 gene. Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Alternate splicing of this gene results in four transcript variants encoding four different isoforms. The isoforms exhibit distinct patterns of expression that suggest roles in brain plasticity and ovarian cancer.
Synonyms:	Brain serine protease 1, BSP1, hK8, HNP, HPN, Kallikrein 8 (neuropsin/ovasin), Kallikrein related peptidase 8, KLK8 protein type 1, KLK8 protein type 2, KLK8_HUMAN, Neuropsin, Neuropsin type 1, Neuropsin type 2, NP, NRPN, Ovasin, PRO322, Protease serine 19, PRSS 19, Serine protease 19, Serine protease kallikrein, Serine protease kallikrein/ovasin/neuropsin, Serine protease TADG 14, TADG14, Tumor associated differentially expressed gene 14, Tumor associated differentially expressed gene 14 protein
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	KLK8
Reactivity:	Human

Immunogen:	Expression system for standard: NSO; Immunogen sequence: Q29-G260
Purity/Specificity:	Natural and recombinant human KLK8. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - O60259 • NCBI - NP_001268360.1 • GeneID - 11202 • KOA0489 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human KLK8 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 human cell culture supernates, cell lysates, tissue homogenates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human KLK8 standard solution and each sample be measured in duplicate.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

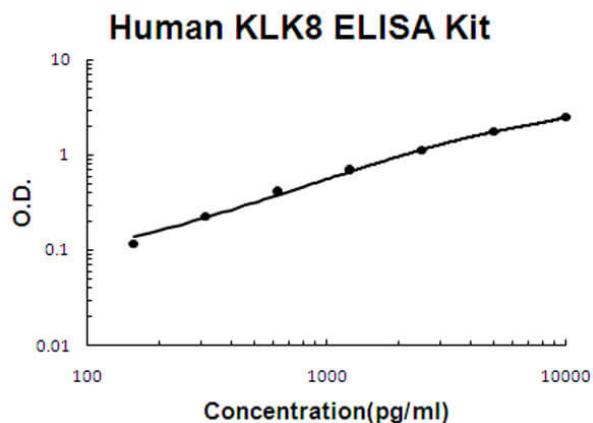
Formulation

Anticoagulant:	Heparin Sodium
-----------------------	----------------

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



ELISA

Human KLK8/Kallikrein-8 AccuSignal ELISA Kit standard curve. Assay Range: 156pg/ml-10000pg/ml.
 Sensitivity: <10pg/ml.

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.