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www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for KOA0486

Human Kallikrein 3 ELISA Kit

Overview

Description:	Human Kallikrein 3 AccuSignal ELISA Kit - KOA0486
Item No.:	KOA0486
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	312 pg/ml - 20000 pg/ml

Product Details

Background:	Prostate-specific antigen(PSA), also known as kallikrein III, seminin, semenogelase, gamma-seminoprotein and P-30 antigen) is a 34 kD glycoprotein manufactured almost exclusively by the prostate gland; PSA is produced for the ejaculate where it liquifies the semen in the seminal coagulum and allows sperm to swim freely.1It is also believed to be instrumental in dissolving the cervical mucous cap, allowing the entry of sperm.2It is a serine protease enzyme, the gene of which is located on the nineteenth chromosome(19q13).3
Synonyms:	APS, Gamma seminoprotein, Gamma-seminoprotein, hK3, Kallikrein 3, Kallikrein related peptidase 3, Kallikrein-3, KLK 3, KLK2A1, KLK3, Klk3, KLK3_HUMAN, P 30 antigen, P-30 antigen, P30 antigen, Prostate Specific Antigen, Prostate-specific antigen, Psa, Semenogelase, Seminin
Detection Kit Type:	ELISA Kit
Detection Range:	312 pg/ml - 20000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	KLK3
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: A18-P261
Purity/Specificity:	Natural and recombinant human Kallikrein 3. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	• UniProtKB - P07288 • NCBI - NP_001025218.1 • GeneID - 354 • KOA0486 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 20000pg/ml, 10000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml human Kallikrein 3 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, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each human Kallikrein 3 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.

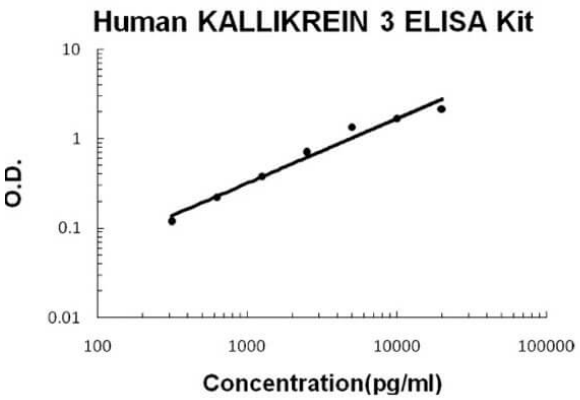
Formulation

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 Kallikrein 3 AccuSignal ELISA Kit standard curve.
Assay Range: 312pg/ml-20000pg/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.