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Datasheet for KOA0580

Human Kallikrein 14 ELISA Kit

Overview

Description:	Human Kallikrein 14 AccuSignal ELISA Kit - KOA0580
Item No.:	KOA0580
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	15.6 pg/ml - 1000 pg/ml

Product Details

Background:	Kallikrein-14 is a protein that in humans is encoded by the KLK14 gene. Kallikrein-14 belongs to the kallikrein subgroup of serine proteases, which have diverse physiologic functions in many tissues. Kallikrein-14 gene is identified in the kallikrein gene cluster on chromosome 19q13.4. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. Kallikrein-14 may activate or inactivate the proteinase-activated receptors F2R, F2RL1 and F2RL3 and other kallikreins including KLK1, KLK3, KLK5 and KLK11.
Synonyms:	hK14, Kallikrein 14, Kallikrein like protein 6, Kallikrein-14, Kallikrein-like protein 6, KLK L6, KLK-L6, KLK14, KLK14_HUMAN
Detection Kit Type:	ELISA Kit
Detection Range:	15.6 pg/ml - 1000 pg/ml
Sensitivity:	<2 pg/ml

Target Details

Gene Name:	KLK14
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: Q19-M248
Purity/Specificity:	Natural and recombinant human Kallikrein 14. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:

- UniProtKB - Q9P0G3
- NCBI - NP_001298111.1
- GeneID - 43847
- KOA0580 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 1000pg/ml, 500pg/ml, 250pg/ml, 125pg/ml, 62.5pg/ml, 31.2pg/ml, 15.6pg/ml human Kallikrein 14 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, serum, plasma(heparin, EDTA) or tissue homogenates to each empty well. It is recommended that each human Kallikrein 14 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.

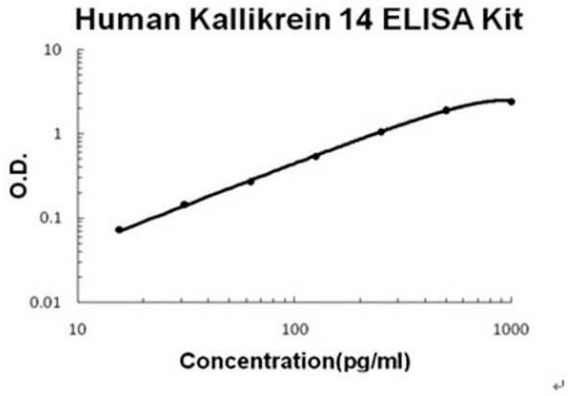
Formulation

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 14 AccuSignal ELISA Kit standard curve.
Assay Range: 15.6pg/ml-1000pg/ml. Sensitivity: <2pg/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.