

Datasheet for KOA0488**Human Kallikrein-6 ELISA Kit****Overview**

Description:	Human Kallikrein-6 AccuSignal ELISA Kit - KOA0488
Item No.:	KOA0488
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	78 pg/ml - 5000 pg/ml

Product Details

Background:	KLK6(Kallikrein-related peptidase 6), also called KALLIKREIN 6, NEUROSIN, PROTEASE M, ZYME or PRSS9, is a protein that in humans is encoded by the KLK6 gene. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. The encoded enzyme is regulated by steroid hormones. Northern blot analysis revealed that the PRSS9 mRNA was expressed in several primary tumors and cell lines from mammary, prostate, and ovarian cancers, but was not detected in any metastases of these cancers. The KLK6 gene is mapped on 19q13.41. In tissue culture, the enzyme has been found to generate amyloidogenic fragments from the amyloid precursor protein, suggesting a potential for involvement in Alzheimer's disease. Upon cellular stress, neurosin was released from mitochondria to the cytosol, which resulted in the increase of degraded alpha-synuclein species. Neurosin may play a significant role in physiologic alpha-synuclein degradation and also in the pathogenesis of synucleinopathies.
Synonyms:	Kallikrein-6, Klk6, KLK6_HUMAN, Neurosin, Protease M, Serine protease 18, Serine protease 9, SP59, Zyme
Detection Kit Type:	ELISA Kit
Detection Range:	78 pg/ml - 5000 pg/ml
Sensitivity:	<3 pg/ml

Target Details

Gene Name:	KLK6
Reactivity:	Human

Immunogen:	Expression system for standard: NSO; Immunogen sequence: L22-K244
Purity/Specificity:	Natural and recombinant human Kallikrein-6. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - Q92876 • NCBI - NP_001012982.1 • GeneID - 5653 • KOA0488 Protocol

Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml, 78pg/ml human Kallikrein-6 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. We recommend that each human Kallikrein-6 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

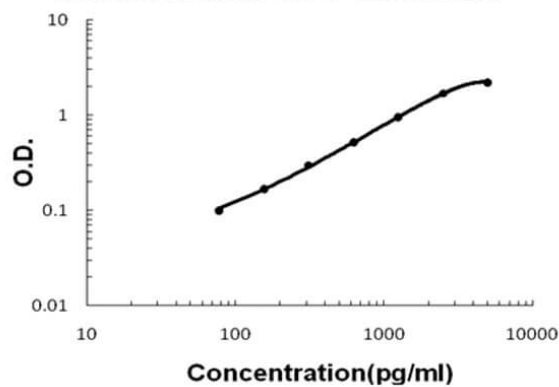
Anticoagulant:	Heparin Sodium
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Shipping & Handling

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

Human Kallikrein-6 ELISA Kit



ELISA

Human Kallikrein-6 AccuSignal ELISA Kit standard curve.
Assay Range: 78pg/ml-5000pg/ml. Sensitivity: <3pg/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.