

Datasheet for KOA0670**Human KLK12 ELISA Kit****Overview**

Description:	Human KLK12 AccuSignal ELISA Kit - KOA0670
Item No.:	KOA0670
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	156 pg/ml - 10,000 pg/ml

Product Details

Background:	Kallikrein-12 is a protein that in humans is encoded by the KLK12 gene. It belongs to the kallikrein subgroup of serine proteases, which have diverse physiologic functions in many tissues. KLK12 is expressed primarily in salivary gland, stomach, uterus, trachea, prostate, thymus, lung, colon, brain, breast, and thyroid gland and at lower levels in testis, pancreas, small intestine, and spinal cord. The expression of KLK12 is downregulated at the mRNA level in breast cancer tissues and is upregulated by steroid hormones in breast and prostate cancer cell lines.
Synonyms:	DKFZp686H1078, Kallikrein like protein 5, Kallikrein related peptidase 12, Kallikrein12, KLK 12, KLK L5, KLK12, KLKL5, MGC42603
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10,000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	KLK12
Reactivity:	Human
Immunogen:	Expression system for standard: NSO; Immunogen sequence: A18-N248
Purity/Specificity:	Natural and recombinant human KLK12. There is no detectable cross-reactivity with other relevant proteins.

Relevant Links:	• UniProtKB - Q9UKR0 • NCBI - NP_062544.1 • GeneID - 43849 • KOA0670 Protocol
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Application Details

Tested Applications:	ELISA
Application Note:	Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1ml per well of the 10,000pg/ml, 5000pg/ml, 2500pg/ml, 1250pg/ml, 625pg/ml, 312pg/ml, 156pg/ml human KLK12 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 KLK12 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

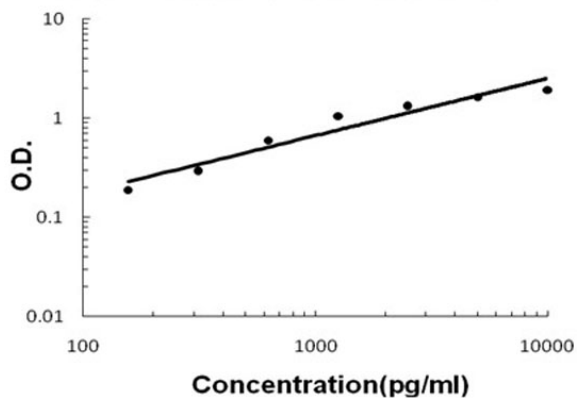
Anticoagulant:	Heparin Sodium
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Shipping & Handling

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 KLK12 ELISA Kit



ELISA

Human KLK12 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.