

Datasheet for KOA0534**Human Endostatin ELISA Kit****Overview**

Description:	Human Endostatin AccuSignal ELISA Kit - KOA0534
Item No.:	KOA0534
Size:	1 Kit
Applications:	ELISA
Reactivity:	Human
Range:	156 pg/ml - 10000 pg/ml

Product Details

Background:	Endostatin is a naturally-occurring 20-kDa C-terminal fragment derived from type XVIII collagen. It is reported to serve as an anti-angiogenic agent, similar to angiostatin and thrombospondin. And it is produced by proteolytic cleavage of collagen XVIII, a member of the multiplexin family that is characterized by interruptions in the triple helix creating multiple domains, by proteases such as cathepsins. Using a genomic clone as a probe for fluorescence in situ hybridization, Endostatin was mapped the COL18A1 gene to 21q22.3. By immunoprecipitation analysis using membrane fractions of human mammary epithelial cells, It showed that endostatin specifically bound to cell surface nucleolin with high affinity. Blockage of nucleolin with neutralizing antibody or knockdown of nucleolin by RNA interference countered the antiendothelial activity of endostatin and abrogated its antiangiogenic and antitumor activity in vivo.
Synonyms:	Alpha 1 collagen type 18 (XVIII)(COL18A1), Alpha 1 type XVIII collagen, Antiangiogenic agent, COL18A1, Collagen alpha 1(XVIII) chain, Collagen type XVIII alpha 1, FLJ27325, FLJ34914, KNO, KNO1, MGC74745, Multi functional protein MFP, OTTMUSP00000023764, OTTMUSP00000023766, Procollagen type XVIII alpha 1
Detection Kit Type:	ELISA Kit
Detection Range:	156 pg/ml - 10000 pg/ml
Sensitivity:	<10 pg/ml

Target Details

Gene Name:	COL18A1
Reactivity:	Human

Immunogen:	Expression system for standard: E.coli; Immunogen sequence: H1154-S1335
Purity/Specificity:	Natural and recombinant human Endostatin. There is no detectable cross-reactivity with other relevant proteins.
Relevant Links:	• UniProtKB - P39060 • NCBI - NP_085059.2 • GeneID - 80781 • KOA0534 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 Endostatin 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, plasma(heparin, EDTA) or human milk to each empty well. It is recommended that each human Endostatin 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

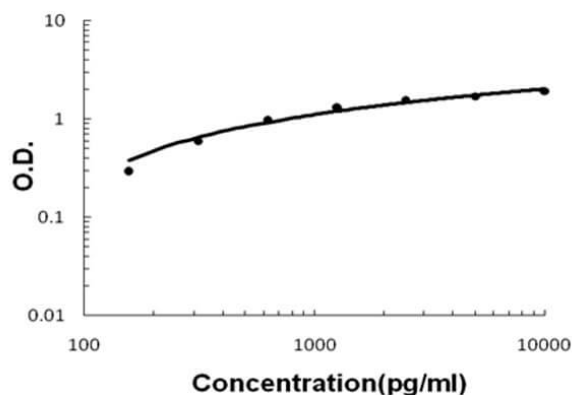
Anticoagulant:	Heparin Sodium
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Shipping & Handling

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 Endostatin ELISA Kit



ELISA

Human Endostatin 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.