

Datasheet for ABIN5510629

COL18A1 ELISA Kit**1** Image[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	COL18A1
Binding Specificity:	AA 1591-1774
Reactivity:	Rat
Method Type:	Sandwich ELISA
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Rat Endostatin
Brand:	PicoKine™
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Expression system for standard: NSO Immunogen sequence: H1591-K1774
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

Target Details

Target:	COL18A1
Alternative Name:	Endostatin (COL18A1 Products)
Target Type:	Chemical

Target Details

Background:	<p>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.</p> <p>Synonyms: Collagen type XVIII, alpha (I) chain ,Col18a1 ,col18a1 ,</p> <p>Full Gene Name: collagen, type XVIII, alpha 1</p>
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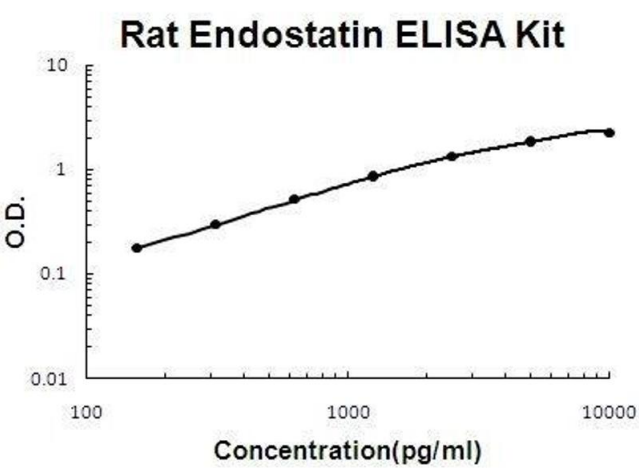
UniProt:	Q9WUW5
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Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles(Shipped with wet ice.)
Expiry Date:	12 months



ELISA

Image 1. Rat Endostatin PicoKine ELISA Kit standard curve