

Collagen alpha-1(XVIII) chain ELISA Kit | COL18A1 elisa kit

Mouse Endostatin PicoKine ELISA Kit

CATALOG #
AAA46119

REACTIVITY
Mouse. There is no detectable cross-reactivity with other relevant proteins.

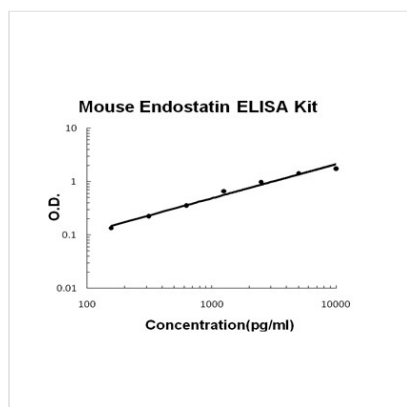
PRODUCT SYNONYMS

Collagen alpha-1(XVIII) chain; Mouse Endostatin PicoKine ELISA Kit; Alpha 1 collagen type 18 (XVIII)(COL18A1); Alpha 1 type XVIII collagen; Antiangiogenic agent; COIA1_HUMAN; COL15A1; COL18A1; Collagen alpha 1(XV) chain; Collagen alpha 1(XVIII) chain; Collagen alpha-1(XV) chain; Collagen type XV proteoglycan; Collagen type XVIII alpha 1; Collagen XV; alpha 1 polypeptide; Collagen; type XV; alpha 1; Endostatin; Endostatin XV; FLJ27325; FLJ34914; FLJ38566; KNO; KNO1; KS; MGC74745; Multi functional protein MFP; OTTHUMP00000021782; OTTHUMP00000115472; OTTHUMP00000115473; collagen; type XVIII; COL18A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse. There is no detectable cross-reactivity with other relevant proteins.
Sequence Length	1527
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Sensitivity	<10pg/ml
Immunogen	NSO, H1591-K1774
Intra-Assay Precision	Sample 1: n=16; Mean(ng/ml): 0.8; Standard deviation: 0.052; CV(%): 6.5 Sample 2: n=16; Mean(ng/ml): 2.14; Standard deviation: 0.135; CV(%): 6.3 Sample 3: n=16; Mean(ng/ml): 4.25; Standard deviation: 0.179; CV(%): 4.2
Inter-Assay Precision	Sample 1: n=24; Mean(ng/ml): 0.84; Standard deviation: 0.06; CV(%): 7.1 Sample 2: n=24; Mean(ng/ml): 2.23; Standard deviation: 0.147; CV(%): 6.6 Sample 3: n=24; Mean(ng/ml): 4.37; Standard deviation: 0.253; CV(%): 5.8
Assay Range	156pg/ml-10,000pg/ml
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Mouse Endostatin PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for COL18A1 elisa kit	Description: Sandwich ELISA kit of Quantitative Detection for Mouse Endostatin 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	158508560
NCBI GeneID	12822
NCBI Accession #	NP_001103461.1
NCBI GenBank Nucleotide #	NM_001109991.1
UniProt Accession #	P39061; Q60672; Q61434; Q61437; Q62001; Q62002; Q6NZK9; Q6P1Y4; Q8CCZ8; Q9CRT2; Q9JK63
Molecular Weight	134,204 Da
NCBI Official Full Name	collagen alpha-1(XVIII) chain isoform 1
NCBI Official Synonym Full Names	collagen, type XVIII, alpha 1
NCBI Official Symbol	Col18a1
NCBI Protein Information	collagen alpha-1(XVIII) chain; collagen alpha-1(XVIII) chain; endostatin; procollagen, type XVIII, alpha 1
UniProt Protein Name	Collagen alpha-1(XVIII) chain
UniProt Gene Name	Col18a1
UniProt Entry Name	COIA1_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.