

Mouse collagen, type XVIII, alpha 1 ELISA Kit | COL18A1/ES elisa kit

Mouse Collagen alpha-1 (XVIII) chain, COL18A1/ES ELISA Kit

CATALOG #
AAA79856

REACTIVITY
Mouse

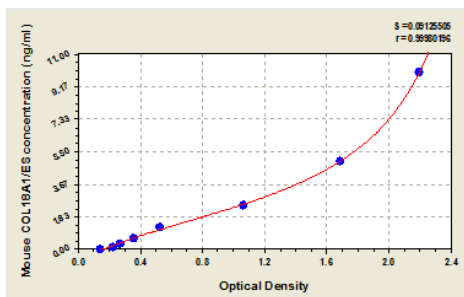
PRODUCT SYNONYMS

collagen; type XVIII; alpha 1; Mouse Collagen alpha-1 (XVIII) chain; COL18A1/ES ELISA Kit; Mouse Collagen alpha-1 (XVIII) chain (COL18A1/ES) ELISA kit; FLJ27325; FLJ34914; KNO; KNO1; MGC74745; alpha 1 type XVIII collagen; antiangiogenic agent; endostatin; multi-functional protein MFP; COL18A1/ES elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse COL18A1/ES. No significant cross-reactivity or interference between mouse COL18A1/ES and analogues was observed.
Sequence Length	1527
Samples	Serum, plasma, tissue homogenates, cell culture supernates
Assay Type	Quantitative Sandwich
Detection Range	0.156 ng/ml-10 ng/ml
Sensitivity	<0.039 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL18A1/ES elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for COL18A1/ES has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any COL18A1/ES present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for COL18A1/ES is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of COL18A1/ES bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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	182,172 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.

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Online datasheet: <https://stage.aaabiotech.com/col18a1-es-mouse-elisa-kits/collagen-type-xviii-alpha-1/79856>