

Mouse Collagen Type XV (COL15) ELISA Kit | COL15 elisa kit

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CATALOG #
AAA63998

REACTIVITY
Mouse

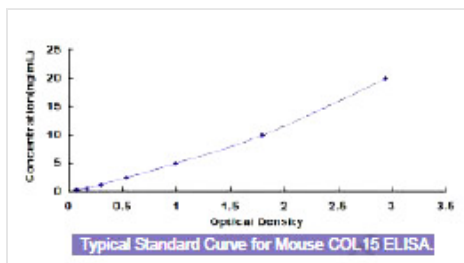
PRODUCT SYNONYMS

Collagen Type XV (COL15); Mouse Collagen Type XV (COL15) ELISA Kit; COL15A1; COL15-A1; Collagen Alpha-1(XV)chain; Restin; Endostatin-XV; Related to endostatin; COL15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of COL15. No significant cross-reactivity or interference between COL15 and analogues was observed.
Sequence Length	1367
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.106ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level COL15 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level COL15 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL15 elisa kit	Intended Uses: This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of COL15 in mouse serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to COL15. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to COL15. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain COL15, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of COL15 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	134288882
NCBI GeneID	12819
NCBI Accession #	NP_034058.2
NCBI GenBank Nucleotide #	NM_009928.3
UniProt Accession #	O35206; Q3UZ71; Q9EQD9; A2AJY3
Molecular Weight	140,472 Da
NCBI Official Full Name	collagen alpha-1(XV) chain
NCBI Official Synonym Full Names	collagen, type XV, alpha 1
NCBI Official Symbol	Col15a1
NCBI Protein Information	collagen alpha-1(XV) chain
UniProt Protein Name	Collagen alpha-1(XV) chain
UniProt Gene Name	Col15a1

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.