

Mouse Collagen Type IV ELISA Kit | COL4 elisa kit

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CATALOG #
AAA99836

REACTIVITY
Mouse

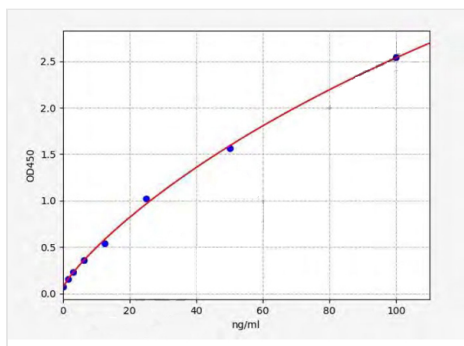
PRODUCT SYNONYMS

Collagen Type IV; Mouse Collagen Type IV ELISA Kit; COL4/Type-IV Collagen; COL4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of COL4. No significant cross-reactivity or interference between COL4 and analogues was observed.
Sequence Length	1779
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL4 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	24581824
NCBI GeneID	33727
NCBI Accession #	NP_723046.1
NCBI GenBank Nucleotide #	NM_164617.2
Molecular Weight	174,300 Da
NCBI Official Full Name	collagen type IV, isoform C
NCBI Official Synonym Full Names	Collagen type IV
NCBI Official Symbol	Cg25C
NCBI Official Synonym Symbols	alpha(IV)1/Cg25C; alpha1; cg25c; cg25C; CG25C; CG4145; Cgc25; Cgc25C; Col IV alpha(1); col4a1; Coll; Coll IV; CT12803; Dcg; Dcg1; DCg1; DmelCG4145; gp125
NCBI Protein Information	CG4145 gene product from transcript CG4145-RB
UniProt Protein Name	Collagen alpha-1(IV) chain
UniProt Gene Name	Cg25C
UniProt Synonym Gene Names	DCg1
UniProt Entry Name	CO4A1_DROME

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.