

Human Collagen Type IV CLIA Kit | COL4 clia kit

Human Collagen Type IV (COL4) CLIA Kit

CATALOG #
AAA144592

REACTIVITY
Human

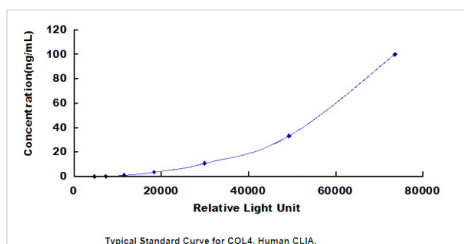
PRODUCT SYNONYMS

Collagen Type IV; Human Collagen Type IV (COL4) CLIA Kit; Type-IV Collagen; COL4 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Collagen Type IV (COL4). No significant cross-reactivity or interference between Collagen Type IV (COL4) and analogues was observed.
Sequence Length	1779
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates and other biological fluids
Detection Range	0.14-100ng/mL
Sensitivity	0.07ng/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Collagen Type IV (COL4) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Collagen Type IV (COL4) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL4 clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Collagen Type IV (COL4). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Collagen Type IV (COL4). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Collagen Type IV (COL4) level in the sample or standard.;
Product Categories/Family for COL4 clia kit	Tumor immunity; Hepatology

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.

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Online datasheet: <https://stage.aaabiotech.com/col4-human-clia-kits/collagen-type-iv/144592>