

Human COL6alpha1 (Collagen Type VI Alpha 1) CLIA Kit | COL6a1 clia kit

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CATALOG #
AAA171039

REACTIVITY
Human

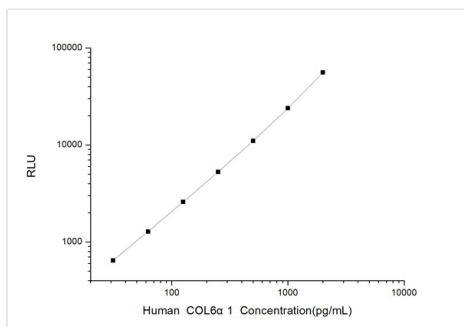
PRODUCT SYNONYMS

COL6alpha1 (Collagen Type VI Alpha 1); Human COL6alpha1 (Collagen Type VI Alpha 1) CLIA Kit; Human COL6a1 (Collagen Type VI Alpha 1) CLIA Kit; Human COL6a1; COL6a1 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes natural and recombinant COL6alpha1. No significant cross-reactivity or interference between COL6alpha1 and analogues was observed.
Sequence Length	1028
Assay Type	Sandwich
Detection Range	31.25-2000pg/mL
Sensitivity	Min: 18.75pg/mL; Max: 2000pg/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL6a1 clia kit

Intended Uses: This CLIA kit applies to the in vitro quantitative determination of COL6alpha1 concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This kit uses Sandwich-CLIA as the method. The micro CLIA plate provided in this kit has been pre-coated with an antibody specific to COL6alpha1. Standards or samples are added to the appropriate micro CLIA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for COL6alpha1 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain COL6alpha1, biotinylated detection antibody and Avidin-HRP conjugate will appear fluorescence. The Relative light unit (RLU) value is measured spectrophotometrically by the Chemiluminescence immunoassay analyzer. The RLU value is positively associated with the concentration of COL6alpha1. You can calculate the concentration of COL6alpha1 in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119629727
NCBI GeneID	1291
Molecular Weight	108,529 Da
NCBI Official Full Name	collagen, type VI, alpha 1, isoform CRA_b, partial
NCBI Official Synonym Full Names	collagen, type VI, alpha 1
NCBI Official Symbol	COL6A1
NCBI Official Synonym Symbols	OPLL
NCBI Protein Information	collagen alpha-1(VI) chain
UniProt Protein Name	Collagen alpha-1(VI) chain
UniProt Gene Name	COL6A1
UniProt Entry Name	CO6A1_HUMAN

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/col6a1-human-clia-kits/col6alpha1-collagen-type-vi-alpha-1/171039>