

Rat COL1alpha2 (Collagen Type I Alpha 2) CLIA Kit | COL1a2 clia kit

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CATALOG #
AAA171084

REACTIVITY
Rat

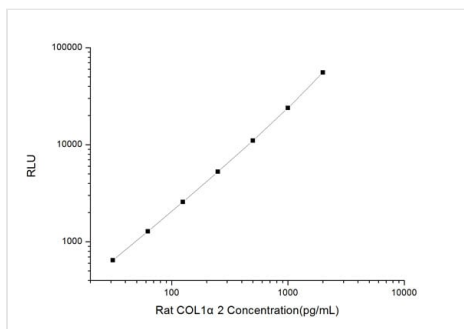
PRODUCT SYNONYMS

COL1alpha2 (Collagen Type I Alpha 2); Rat COL1alpha2 (Collagen Type I Alpha 2) CLIA Kit; COL1A2; OI4; Rat COL1a2 (Collagen Type I Alpha 2) CLIA Kit; Rat COL1a2; COL1a2 clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes natural and recombinant COL1alpha2. No significant cross-reactivity or interference between COL1alpha2 and analogues was observed.
Sequence Length	23
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 COL1a2 clia kit

Intended Uses: This CLIA kit applies to the in vitro quantitative determination of COL1alpha2 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 COL1alpha2. 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 COL1alpha2 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 COL1alpha2, 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 COL1alpha2. You can calculate the concentration of COL1alpha2 in the samples by comparing the RLU value of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	124265168
NCBI GeneID	1278
Molecular Weight	129,314 Da
NCBI Official Full Name	collagen type I alpha 2, partial
NCBI Official Synonym Full Names	collagen, type I, alpha 2
NCBI Official Symbol	COL1A2
NCBI Official Synonym Symbols	OI4
NCBI Protein Information	collagen alpha-2(I) chain
UniProt Protein Name	Collagen alpha-2(I) chain
UniProt Gene Name	COL1A2
UniProt Entry Name	CO1A2_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/col1a2-rat-clia-kits/col1alpha2-collagen-type-i-alpha-2/171084>