

Rat Collagen Type IV ELISA Kit | Col IV elisa kit

Rat Collagen Type IV ELISA Kit

CATALOG #
AAA84790

REACTIVITY
Rat

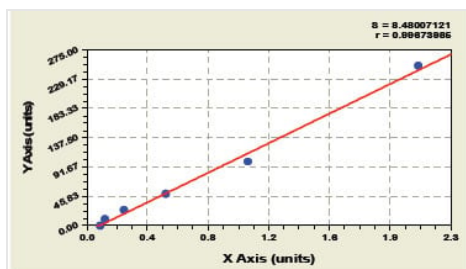
PRODUCT SYNONYMS

Collagen Type IV; Rat Collagen Type IV ELISA Kit; Rat Collagen Type IV (Col IV); Collagen Type IV (Rat); Col IV elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Col IV elisa kit

Intended Uses: This COL ELISA kit is intended Laboratory for research use only. The Stop Solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of COL in the sample, this COL ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus COL concentration. The concentration of COL in the samples is then determined by comparing the O.D. of the samples to the standard curve

Principle of the Assay: This COL enzyme linked immunosorbent assay applies a technique called a quantitative sandwich immunoassay. The microtiter plate provided in this kit has been pre-coated with a monoclonal antibody specific for COL. Standards or samples are then added to the microtiter plate wells and COL if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of COL present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for COL are added to each well to "sandwich" the COL immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, A and B substrate solution is added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain COL and enzyme-conjugated antibody will exhibit a change in colour. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the colour change is measured spectrophotometrically at a wavelength of 450 nm.

Product Categories/Family for Col IV elisa kit

Rat ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	119629513
NCBI GeneID	1282
UniProt Accession #	P02462; Q1P9S9; Q5VWF6; Q86X41; Q8NF88; Q9NYC5; A7E2W4; B1AM70
Molecular Weight	160,615 Da
NCBI Official Full Name	collagen, type IV, alpha 1, isoform CRA_a
NCBI Official Synonym Full Names	collagen, type IV, alpha 1
NCBI Official Symbol	COL4A1
NCBI Official Synonym Symbols	ICH; HANAC; POREN1; arresten
NCBI Protein Information	collagen alpha-1(IV) chain; collagen alpha-1(IV) chain; COL4A1 NC1 domain; collagen IV, alpha-1 polypeptide; collagen of basement membrane, alpha-1 chain
UniProt Protein Name	Collagen alpha-1(IV) chain
UniProt Gene Name	COL4A1
UniProt Entry Name	CO4A1_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/col-iv-rat-elisa-kits/collagen-type-iv/84790>