

Human collagen, type IV, alpha 2 ELISA Kit | COL4A2 elisa kit

Human Collagen alpha-2 (IV) chain, COL4A2 ELISA Kit

CATALOG #
AAA18232

REACTIVITY
Human

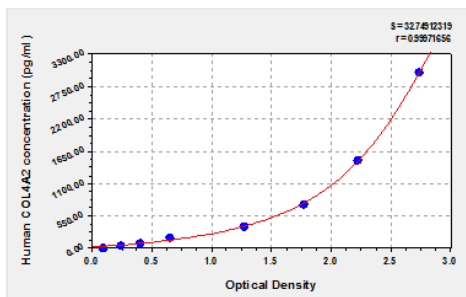
PRODUCT SYNONYMS

collagen; type IV; alpha 2; Human Collagen alpha-2 (IV) chain; COL4A2 ELISA Kit; Human Collagen alpha-2 (IV) chain (COL4A2) ELISA kit; RP11-90L1.2; DKFZp686I14213; FLJ22259; alpha 2 type IV collagen; canstatin; COL4A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human COL4A2. No significant cross-reactivity or interference between human COL4A2 and analogues was observed.
Sequence Length	1712
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	47 pg/ml-3000 pg/ml
Sensitivity	< 11.75 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL4A2 elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for COL4A2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any COL4A2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for COL4A2 is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of COL4A2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116256354
NCBI GeneID	1284
NCBI Accession #	NP_001837.2
NCBI GenBank Nucleotide #	NM_001846.2
UniProt Accession #	P08572; Q14052; Q548C3; Q5VZA9; Q66K23
Molecular Weight	167,553 Da
NCBI Official Full Name	collagen alpha-2(IV) chain preproprotein
NCBI Official Synonym Full Names	collagen, type IV, alpha 2
NCBI Official Symbol	COL4A2
NCBI Official Synonym Symbols	ICH; POREN2
NCBI Protein Information	collagen alpha-2(IV) chain; collagen alpha-2(IV) chain; canstatin
UniProt Protein Name	Collagen alpha-2(IV) chain
UniProt Gene Name	COL4A2
UniProt Entry Name	CO4A2_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/col4a2-human-elisa-kits/collagen-type-iv-alpha-2/18232>