

Monkey Collagen alpha-2 (XI) chain (COL11A2) ELISA Kit | COL11A2 elisa kit

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CATALOG #
AAA245659

REACTIVITY
Monkey

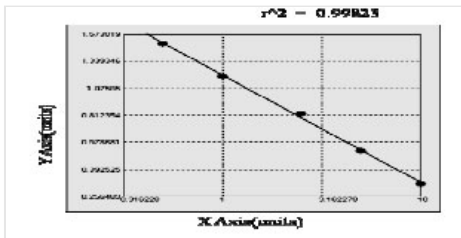
PRODUCT SYNONYMS

Collagen alpha-2 (XI) chain (COL11A2); Monkey Collagen alpha-2 (XI) chain (COL11A2) ELISA Kit; COL11A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL11A2 elisa kit

Intended Uses: This COL11alpha2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey COL11alpha2. This ELISA kit for research use only!

Principle of the Assay: COL11alpha2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-COL11alpha2 antibody and an COL11 alpha2-HRP conjugate. The assay sample and buffer are incubated together with COL11alpha2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the COL11alpha2 concentration since COL11alpha2 from samples and COL11 alpha2-HRP conjugate compete for the anti-COL11alpha2 antibody binding site. Since the number of sites is limited, as more sites are occupied by COL11 alpha2 from the sample, fewer sites are left to bind COL11alpha2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL11alpha2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for COL11A2 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	296439507
NCBI GeneID	1278
Molecular Weight	129,314 Da
NCBI Official Full Name	Collagen alpha-2(I) chain
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; collagen alpha-2(I) chain; type I procollagen; alpha 2(I)-collagen; alpha-2 type I collagen; collagen I, alpha-2 polypeptide; collagen of skin, tendon and bone, alpha-2 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/monkey-elisa-kits/collagen-alpha-2-xi-chain-col11a2/245659>