

Monkey Collagen Type II ELISA Kit | Col II elisa kit

Monkey Collagen Type II ELISA Kit

CATALOG #
AAA88683

REACTIVITY
Monkey

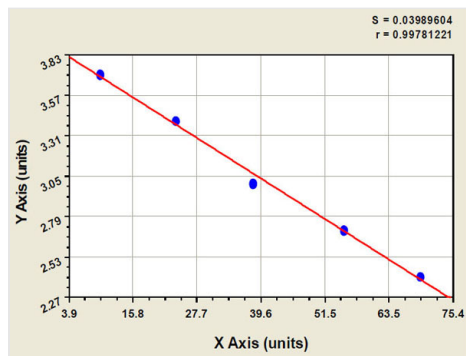
PRODUCT SYNONYMS

Collagen Type II; Monkey Collagen Type II ELISA Kit; Col II elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	25-500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This COL2ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey COL2. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Col II elisa kit

Principle of the assay: COL2ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-COL2antibody and an COL2-HRP conjugate. The assay sample and buffer are incubated together with COL2-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 COL2concentration since COL2 from samples and COL2-HRP conjugate compete for the anti-COL2antibody binding site. Since the number of sites is limited, as more sites are occupied by COL2from the sample, fewer sites are left to bind COL2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL2concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	119578374
NCBI GeneID	1280
Molecular Weight	29,781 Da
NCBI Official Full Name	collagen, type II, alpha 1 (primary osteoarthritis, spondyloepiphyseal dysplasia, congenital), isoform CRA_e
NCBI Official Synonym Full Names	collagen, type II, alpha 1
NCBI Official Symbol	COL2A1
NCBI Official Synonym Symbols	AOM; ANFH; SEDC; STL1; COL11A3
NCBI Protein Information	collagen alpha-1(II) chain; collagen alpha-1(II) chain; chondrocalcin; cartilage collagen; alpha-1 type II collagen; collagen II, alpha-1 polypeptide; arthroophthalmopathy, progressive (Stickler syndrome)
UniProt Protein Name	Collagen alpha-1(II) chain
UniProt Gene Name	COL2A1
UniProt Entry Name	CO2A1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/col-ii-monkey-elisa-kits/collagen-type-ii/88683>