

Sheep Collagen Type IX alpha1 ELISA Kit | COL9a1 elisa kit

Sheep Collagen Type IX alpha1 ELISA Kit

CATALOG #
AAA93925

REACTIVITY
Sheep

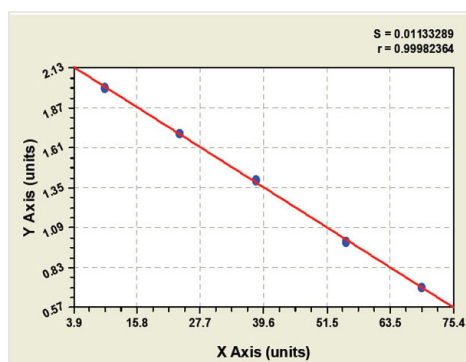
PRODUCT SYNONYMS

Collagen Type IX alpha1; Sheep Collagen Type IX alpha1 ELISA Kit; Sheep Collagen Type IX a1 ELISA Kit; COL9a1 elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COL9a1 elisa kit

Intended Uses: This COL9a1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep COL9a1. This ELISA kit for research use only!

Principle of the Assay: COL9a1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-COL9a1 antibody and an COL9a1-HRP conjugate. The assay sample and buffer are incubated together with COL9a1-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 COL9a1 concentration since COL9a1 from samples and COL9a1-HRP conjugate compete for the anti-COL9a1 antibody binding site. Since the number of sites is limited, as more sites are occupied by COL9a1 from the sample, fewer sites are left to bind COL9a1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL9a1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for COL9a1 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	73486666
NCBI GeneID	1297
NCBI Accession #	NP_001842.3
NCBI GenBank Nucleotide #	NM_001851.4
Molecular Weight	35,509 Da
NCBI Official Full Name	collagen alpha-1(IX) chain isoform 1
NCBI Official Synonym Full Names	collagen, type IX, alpha 1
NCBI Official Symbol	COL9A1
NCBI Official Synonym Symbols	MED; EDM6; STL4; DJ149L1.1.2
NCBI Protein Information	collagen alpha-1(IX) chain; collagen alpha-1(IX) chain; alpha-1(IX) collagen chain; collagen IX, alpha-1 polypeptide; cartilage-specific short collagen
UniProt Protein Name	Collagen alpha-1(IX) chain
UniProt Gene Name	COL9A1
UniProt Entry Name	CO9A1_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/col9a1-sheep-elisa-kits/collagen-type-ix-alpha1/93925>