

Sheep Collagen Type XVII ELISA Kit | COL17 elisa kit

Sheep Collagen Type XVII ELISA Kit

CATALOG #
AAA96967

REACTIVITY
Sheep

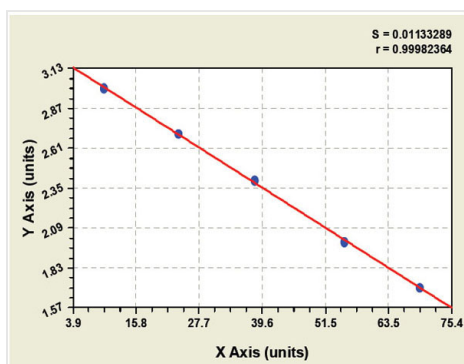
PRODUCT SYNONYMS

Collagen Type XVII; Sheep Collagen Type XVII ELISA Kit; COL17 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.
Intended Uses	This COL17 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep COL17. 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 COL17 elisa kit

Principle of the Assay: COL17 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-COL17 antibody and an COL17-HRP conjugate. The assay sample and buffer are incubated together with COL17-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 COL17 concentration since COL17 from samples and COL17-HRP conjugate compete for the anti-COL17 antibody binding site. Since the number of sites is limited, as more sites are occupied by COL17 from the sample, fewer sites are left to bind COL17-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COL17 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for COL17 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119569999
NCBI GeneID	1308
Molecular Weight	142,344 Da
NCBI Official Full Name	collagen, type XVII, alpha 1, isoform CRA_b
NCBI Official Synonym Full Names	collagen, type XVII, alpha 1
NCBI Official Symbol	COL17A1
NCBI Official Synonym Symbols	BP180; BPA-2; BPAG2; LAD-1; BA16H23.2
NCBI Protein Information	collagen alpha-1(XVII) chain; collagen alpha-1(XVII) chain; alpha 1 type XVII collagen; type XVII collagen alpha-1; collagen XVII, alpha-1 polypeptide; 180 kDa bullous pemphigoid antigen 2; bullous pemphigoid antigen 2 (180kD); bA16H23.2 (collagen, type XVII, alpha 1 (BP180))
UniProt Protein Name	Collagen alpha-1(XVII) chain
UniProt Gene Name	COL17A1
UniProt Synonym Gene Names	BP180; BPAG2; LAD-1; 97 kDa LAD antigen; 97-LAD; LABD97
UniProt Entry Name	COHA1_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/col17-sheep-elisa-kits/collagen-type-xvii/96967>