

Human Collagen Type XVII (COL17) ELISA Kit | COL17 elisa kit

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CATALOG #
AAA136981

REACTIVITY
Human

PRODUCT SYNONYMS

Collagen Type XVII (COL17); Human Collagen Type XVII (COL17) ELISA Kit; COL17A1; BP180; BPAG2; LAD-1; LABD97; Collagen Alpha-1(XVII)chain; 180 kDa bullous pemphigoid antigen 2; Bullous pemphigoid antigen 2; Linear IgA disease antigen 1; COL17 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of COL17. No significant cross-reactivity or interference between COL17 and analogues was observed.
Sequence Length	1497
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	< 1.51ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level COL17 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level COL17 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

ADDITIONAL INFORMATION

Related Product Information for COL17 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to COL17. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to COL17. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain COL17, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of COL17 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of COL17 in human serum, plasma, tissue homogenates and other biological fluids.
Product Categories/Family for COL17 elisa kit	Signal transduction; Metabolic pathway; Developmental science; Nutrition metabolism; Dermatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	119569999
NCBI GeneID	1308
Molecular Weight	150,447 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
UniProt Protein Name	Collagen, type XVII, alpha 1, isoform CRA_b
UniProt Gene Name	COL17A1
UniProt Entry Name	D3DRA2_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://www.aaabiotech.com/human-elisa-kits/collagen-type-xvii-col17/136981>