

Human Anti bullous pemphigoid 180 antibody ELISA Kit | BP180 Ab elisa kit

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CATALOG #
AAA84934

REACTIVITY
Human

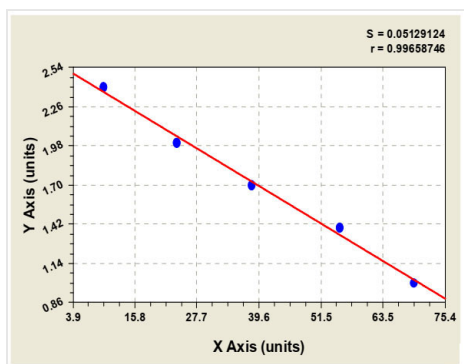
PRODUCT SYNONYMS

Anti bullous pemphigoid 180 antibody; Human Anti bullous pemphigoid 180 antibody ELISA Kit; BP180 Ab elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of BP180-Ab. No significant cross-reactivity or interference between BP180-Ab and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BP180-Ab and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 BP180 Ab elisa kit	Principle of the Assay: BP180-Ab ELISA kit applies the competitive enzyme immunoassay technique utilizing a BP180 antigen and an BP180-Ab-HRP conjugate. The assay sample and buffer are incubated together with BP180-Ab-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 BP180-Ab concentration since BP180-Ab from samples and BP180-Ab-HRP conjugate compete for the BP180 antigen binding site. Since the number of sites is limited, as more sites are occupied by BP180-Ab from the sample, fewer sites are left to bind BP180-Ab-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BP180-Ab concentration in each sample is interpolated from this standard curve. Intended Uses: This BP180-Ab ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human BP180-Ab. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for BP180 Ab elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	1877435
NCBI GeneID	1308
Molecular Weight	142,344 Da
NCBI Official Full Name	180 kDa bullous pemphigoid antigen 2/type XVII collagen
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.

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Online datasheet: <https://stage.aaabiotech.com/bp180-ab-human-elisa-kits/anti-bullous-pemphigoid-180-antibody/84934>