

Human Plectin (PLEC) ELISA Kit | PLEC elisa kit

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CATALOG #
AAA137574

REACTIVITY
Human

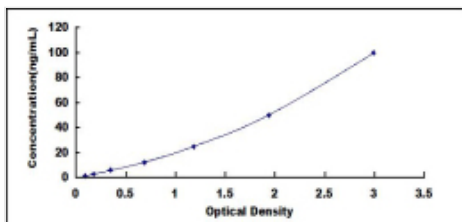
PRODUCT SYNONYMS

Plectin (PLEC); Human Plectin (PLEC) ELISA Kit; HD1; PCN; EBS1; EBSO; PLEC1b; PLTN; Hemidesmosomal protein 1; Intermediate Filament Binding Protein 500kDa; Epidermolysis Bullosa Simplex 1(Ogna); PLEC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Plectin (PLEC). No significant cross-reactivity or interference between Plectin (PLEC) and analogues was observed.
Sequence Length	4684
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.59ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Plectin (PLEC) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Plectin (PLEC) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PLEC elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Plectin (PLEC). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Plectin (PLEC). 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 Plectin (PLEC), 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 Plectin (PLEC) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PLEC elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	1296662
NCBI GeneID	5339
UniProt Accession #	Q15149; Q15148; Q16640; Q6S376; Q6S377; Q6S378; Q6S379; Q6S380; Q6S381; Q6S382; Q6S383
Molecular Weight	514,775 Da
NCBI Official Full Name	plectin
NCBI Official Synonym Full Names	plectin
NCBI Official Symbol	PLEC
NCBI Official Synonym Symbols	HD1; PCN; EBS1; EBSO; PLTN; EBSMD; EBSND; EBSOG; EBSPA; PLEC1; LGMD2Q; PLEC1b
NCBI Protein Information	plectin
UniProt Protein Name	Plectin
UniProt Gene Name	PLEC
UniProt Synonym Gene Names	PLEC1; PCN; PLTN; HD1
UniProt Entry Name	PLEC_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/human-elisa-kits/plectin-plec/137574>