

Human Pleckstrin (PLEK) ELISA Kit | PLEK elisa kit

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CATALOG #
AAA188277

REACTIVITY
Human

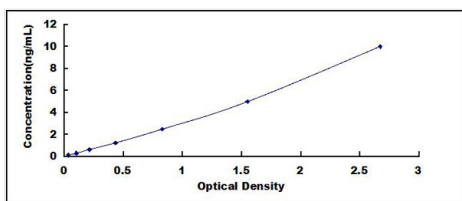
PRODUCT SYNONYMS

Pleckstrin (PLEK); Human Pleckstrin (PLEK) ELISA Kit; P47; Platelet 47 kDa protein; PLEK elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Pleckstrin (PLEK). No significant cross-reactivity or interference between Pleckstrin (PLEK) and analogues was observed.
Sequence Length	350
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.059ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Pleckstrin (PLEK) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Pleckstrin (PLEK) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ 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 PLEK 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 Pleckstrin (PLEK). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Pleckstrin (PLEK). 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 Pleckstrin (PLEK), 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 Pleckstrin (PLEK) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	156616273
NCBI GeneID	5341
NCBI Accession #	NP_002655.2
NCBI GenBank Nucleotide #	NP_002655.2
UniProt Accession #	P08567
NCBI Official Full Name	pleckstrin
NCBI Official Synonym Full Names	pleckstrin
NCBI Official Symbol	PLEK
NCBI Official Synonym Symbols	P47
NCBI Protein Information	pleckstrin
UniProt Protein Name	Pleckstrin
UniProt Gene Name	PLEK
UniProt Synonym Gene Names	P47; p47
UniProt Entry Name	PLEK_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/pleckstrin-plek/188277>