

Human Peptidase D (PEPD) ELISA Kit | PEPD elisa kit

Human Peptidase D (PEPD) Mini Samples ELISA Kit

CATALOG # AAA150416	REACTIVITY Human	APPLICATIONS ELISA
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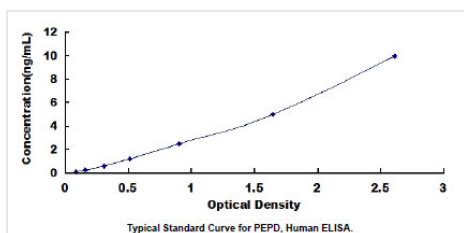
PRODUCT SYNONYMS

Peptidase D (PEPD); Human Peptidase D (PEPD) Mini Samples ELISA Kit; PRD; Xaa-Pro Dipeptidase; Prolidase; Imidodipeptidase; Proline dipeptidase; PEPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PEPD. No significant cross-reactivity or interference between PEPD and analogues was observed.
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.064ng/mL
Applicable Applications for PEPD elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PEPD 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 PEPD 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PEPD elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PEPD in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to PEPD. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to PEPD. 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 PEPD, 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 PEPD in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for PEPD elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	149589008
NCBI GeneID	5184
NCBI Accession #	NP_000276.2
NCBI GenBank Nucleotide #	NM_000285.3
UniProt Accession #	P12955; Q8TBN9; Q9BT75; A8K3Z1; A8K416; A8K696; A8MX47; B4DDB7; B4DGJ1; E9PCE8
Molecular Weight	47,261 Da
NCBI Official Full Name	xaa-Pro dipeptidase isoform 1
NCBI Official Synonym Full Names	peptidase D
NCBI Official Symbol	PEPD
NCBI Official Synonym Symbols	PROLIDASE
NCBI Protein Information	xaa-Pro dipeptidase
UniProt Protein Name	Xaa-Pro dipeptidase
UniProt Gene Name	PEPD
UniProt Synonym Gene Names	PRD; X-Pro dipeptidase; Prolidase
UniProt Entry Name	PEPD_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/peptidase-d-pepd/150416>