

Human peptidase D ELISA Kit | PEPD elisa kit

Human Xaa-Pro Dipeptidase/Prolidase, PEPD ELISA Kit

CATALOG #
AAA15786

REACTIVITY
Human

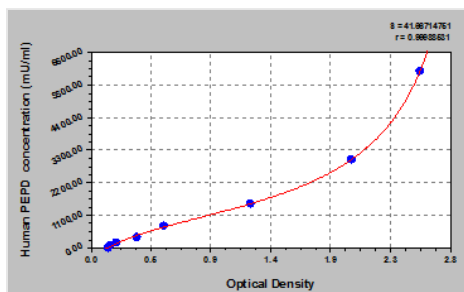
PRODUCT SYNONYMS

peptidase D; Human Xaa-Pro Dipeptidase/Prolidase; PEPD ELISA Kit; Human Xaa-Pro Dipeptidase/Prolidase (PEPD) ELISA Kit; MGC10905; PROLIDASE; aminoacyl-L-proline hydrolase; imidodipeptidase; prolidase; proline dipeptidase; PEPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human PEPD. No significant cross-reactivity or interference between human PEPD and analogues was observed.
Sequence Length	493
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates
Detection Range	93.75 mU/ml-6000 mU/ml
Sensitivity	< 23.4 mU/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PEPD elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for PEPD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PEPD present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PEPD is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PEPD bound in the initial step. The color development is stopped and the intensity of the color is measured.
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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	54,548 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; imidodipeptidase; X-Pro dipeptidase; proline dipeptidase; aminoacyl-L-proline hydrolase
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.