

Human Xaa-Pro dipeptidase ELISA Kit | PEPD elisa kit

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CATALOG #
AAA99309

REACTIVITY
Human

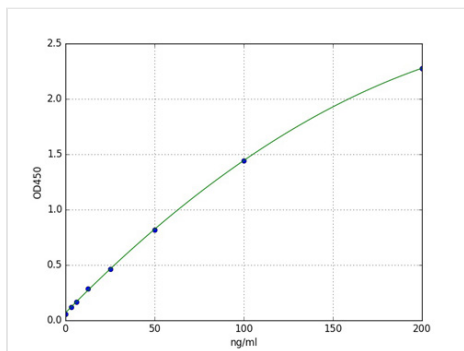
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	452
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	3.125-200ng/ml
Sensitivity	1.875ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human PEPD ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	3.125	6.25	12.5	25	50	100	200
Y	OD450	0.018	0.212	0.394	0.639	1.259	1.444	1.699	1.981

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PEPD elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human PEPD antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human PEPD antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human PEPD amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human PEPD can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

260593663

NCBI GeneID	5184
NCBI Accession #	NP_001159528.1
NCBI GenBank Nucleotide #	NM_001166056.1
Molecular Weight	47,261 Da
NCBI Official Full Name	xaa-Pro dipeptidase isoform 2
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/pepd-human-elisa-kits/xaa-pro-dipeptidase/99309>