

Human Dipeptidase 1 ELISA Kit | DPEP1 elisa kit

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CATALOG #
AAA101890

REACTIVITY
Human

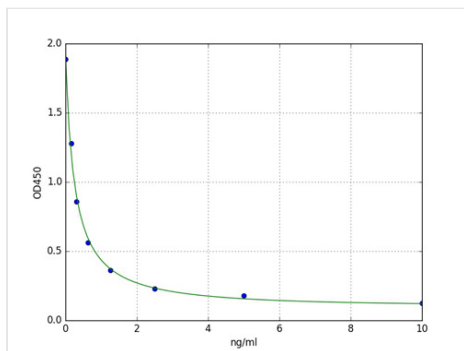
PRODUCT SYNONYMS

Dipeptidase 1; Human Dipeptidase 1 ELISA Kit; DPEP1/Renal dipeptidase/hRDP/Dehydropeptidase-I/Microsomal dipeptidase/MDP/RDP; DPEP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	411
Assay Type	Competitive ELISA, Coated with Antigen
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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 DPEP1 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	pg/ml	0	156	312.5	625	1250	2500	5000	10000
Y	OD450	2.419	1.930	1.719	1.315	0.914	0.646	0.444	0.344

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DPEP1 elisa kit

Principle of the Assay||This ELISA kit uses Competitive-ELISA as the method. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human DPEP1. During the reaction, Human DPEP1 in the sample or standard competes with a fixed amount of biotin-labeled Human DPEP1 for sites on a pre-coated Monoclonal antibody specific to Human DPEP1. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. The concentration of Human DPEP1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189458885
NCBI GeneID	1800
NCBI Accession #	NP_001121613.1
NCBI GenBank Nucleotide #	NM_001128141.2
Molecular Weight	45,674 Da
NCBI Official Full Name	dipeptidase 1
NCBI Official Synonym Full Names	dipeptidase 1 (renal)
NCBI Official Symbol	DPEP1
NCBI Official Synonym Symbols	MDP; RDP; MBD1
NCBI Protein Information	dipeptidase 1
UniProt Protein Name	Dipeptidase 1
UniProt Gene Name	DPEP1
UniProt Synonym Gene Names	MDP; RDP; hRDP
UniProt Entry Name	DPEP1_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/dpep1-human-elisa-kits/dipeptidase-1/101890>