

Human dipeptidase 1 (renal) ELISA Kit | DPEP1 elisa kit

Human Dipeptidase 1, DPEP1 ELISA Kit

CATALOG #
AAA112456

REACTIVITY
Human

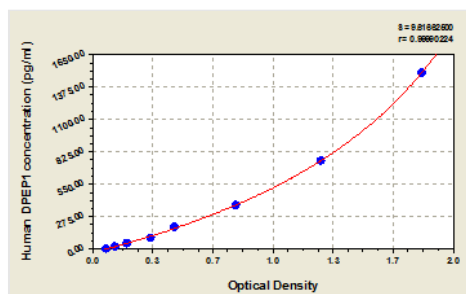
PRODUCT SYNONYMS

dipeptidase 1 (renal); Human Dipeptidase 1; DPEP1 ELISA Kit; Human Dipeptidase 1 (DPEP1) ELISA kit; MBD1; MDP; RDP; OTTHUMP00000175356; dipeptidase 1; DPEP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human DPEP1. No significant cross-reactivity or interference between human DPEP1 and analogues was observed.
Sequence Length	411
Samples	Serum, plasma, tissue homogenates, Cell lysates
Assay Type	Sandwich
Detection Range	23.5 pg/ml -1500 pg/ml.
Sensitivity	The minimum detectable dose of human DPEP1 is typically less than 5.86 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
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 DPEP1 elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for DPEP1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any DPEP1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for DPEP1 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 DPEP1 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 #	189458885
NCBI GeneID	1800
NCBI Accession #	NP_001121613.1
NCBI GenBank Nucleotide #	NM_001128141.2
UniProt Accession #	P16444; Q96AK2; D3DX80
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; hRDP; renal dipeptidase; dehydropeptidase-I; microsomal dipeptidase
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-renal/112456>