

Mouse Dipeptidase 1 (DPEP1) ELISA Kit | DPEP1 elisa kit

Mouse Dipeptidase 1 (DPEP1) ELISA Kit

CATALOG #
AAA246693

REACTIVITY
Mouse

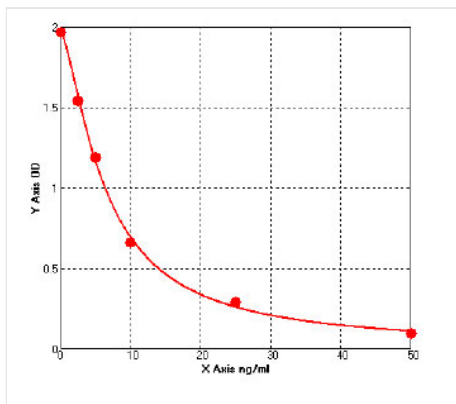
PRODUCT SYNONYMS

Dipeptidase 1 (DPEP1); Mouse Dipeptidase 1 (DPEP1) ELISA Kit; DPEP1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of DPEP1. No significant cross-reactivity or interference between DPEP1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DPEP1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DPEP1 elisa kit	Principle of the Assay: DPEP1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DPEP1 antibody and an DPEP1-HRP conjugate. The assay sample and buffer are incubated together with DPEP1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the DPEP1 concentration since DPEP1 from samples and DPEP1-HRP conjugate compete for the anti-DPEP1 antibody binding site. Since the number of sites is limited, as more sites are occupied by DPEP1 from the sample, fewer sites are left to bind DPEP1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DPEP1 concentration in each sample is interpolated from this standard curve. Intended Uses: This DPEP1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse DPEP1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for DPEP1 elisa kit	Cell Biology

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; 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/dipeptidase-1-dpep1/246693>