

Mouse Glutamyl aminopeptidase (ENPEP) ELISA Kit | ENPEP elisa kit

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CATALOG #
AAA244601

REACTIVITY
Mouse

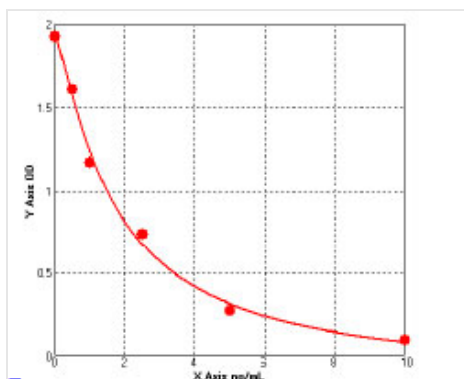
PRODUCT SYNONYMS

Glutamyl aminopeptidase (ENPEP); Mouse Glutamyl aminopeptidase (ENPEP) ELISA Kit; ENPEP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ENPEP. No significant cross-reactivity or interference between ENPEP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ENPEP and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 ENPEP elisa kit	Intended Uses: This ENPEP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ENPEP. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ENPEP ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ENPEP antibody and an ENPEP-HRP conjugate. The assay sample and buffer are incubated together with ENPEP-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 ENPEP concentration since ENPEP from samples and ENPEP-HRP conjugate compete for the anti-ENPEP antibody binding site. Since the number of sites is limited, as more sites are occupied by ENPEP from the sample, fewer sites are left to bind ENPEP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ENPEP concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	132814467
NCBI GeneID	2028
NCBI Accession #	NP_001968.3
NCBI GenBank Nucleotide #	NM_001977.3
Molecular Weight	109,244 Da
NCBI Official Full Name	glutamyl aminopeptidase
NCBI Official Synonym Full Names	glutamyl aminopeptidase (aminopeptidase A)
NCBI Official Symbol	ENPEP
NCBI Official Synonym Symbols	APA; CD249; gp160
NCBI Protein Information	glutamyl aminopeptidase; EAP; AP-A; aminopeptidase A; differentiation antigen gp160
UniProt Protein Name	Glutamyl aminopeptidase
UniProt Gene Name	ENPEP
UniProt Synonym Gene Names	EAP; AP-A
UniProt Entry Name	AMPE_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/glutamyl-aminopeptidase-enpep/244601>