

Mouse alanyl (membrane) aminopeptidase ELISA Kit | ANPEP elisa kit

Mouse Aminopeptidase N, ANPEP ELISA Kit

CATALOG #
AAA112439

REACTIVITY
Mouse

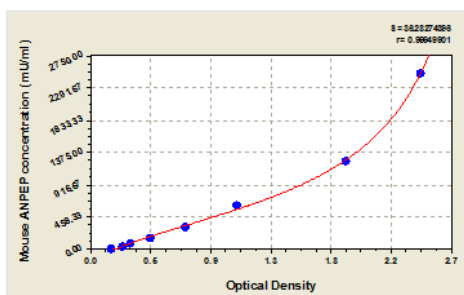
PRODUCT SYNONYMS

alanyl (membrane) aminopeptidase; Mouse Aminopeptidase N; ANPEP ELISA Kit; Mouse Aminopeptidase N (ANPEP) ELISA kit; APN; CD13; GP150; LAP1; P150; PEPN; aminopeptidase M; aminopeptidase N; membrane alanine aminopeptidase; microsomal aminopeptidase; myeloid plasma membrane glycoprotein CD13; ANPEP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of mouse ANPEP. No significant cross-reactivity or interference between mouse ANPEP and analogues was observed.
Sequence Length	966
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	39 mU/ml -2500 mU/ml.
Sensitivity	The minimum detectable dose of mouse ANPEP is typically less than 9.7 mU/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 ANPEP elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for ANPEP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ANPEP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ANPEP 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 ANPEP 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 #	225637487
NCBI GeneID	16790
NCBI Accession #	NP_032512.2
NCBI GenBank Nucleotide #	NM_008486.2
UniProt Accession #	P97449; Q91YH8; Q99K63
Molecular Weight	109,651 Da
NCBI Official Full Name	aminopeptidase N
NCBI Official Synonym Full Names	alanyl (membrane) aminopeptidase
NCBI Official Symbol	Anpep
NCBI Official Synonym Symbols	Apn; AP-M; AP-N; Cd13; P150
NCBI Protein Information	aminopeptidase N; aminopeptidase M; alanyl aminopeptidase; aminopeptidase N/CD13; membrane protein p161; microsomal aminopeptidase
UniProt Protein Name	Aminopeptidase N
UniProt Gene Name	Anpep
UniProt Synonym Gene Names	Lap-1; Lap1; AP-N; mAPN; AP-M
UniProt Entry Name	AMPN_MOUSE

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/anpep-mouse-elisa-kits/alanyl-membrane-aminopeptidase/112439>