

Mouse MEP1A ELISA Kit | MEP1A elisa kit

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CATALOG #
AAA263130

REACTIVITY
Mouse

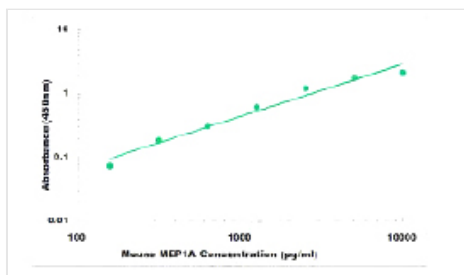
PRODUCT SYNONYMS

MEP1A; Mouse MEP1A ELISA Kit; Meprin A subunit alpha; Endopeptidase-2; N-benzoyl-L-tyrosyl-P-amino-benzoic acid hydrolase subunit alpha; PABA peptide hydrolase; PPH alpha; MEP1A elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse MEP1A ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse MEP1A proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	760
Samples	Cell Culture Supernates, Serum, Plasma, Cell Lysates, Tissue Homogenates
Sensitivity	<10 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MEP1A elisa kit

Principle of the Assay: The Mouse MEP1A ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse MEP1A in Cell Culture Supernates, Serum, Plasma, Cell Lysates, Tissue Homogenates. This assay employs an antibody specific for Mouse MEP1A coated on a 96-well plate. Standards and samples are pipetted into the wells and MEP1A present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse MEP1A antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of MEP1A bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: Meprins are multimeric zinc proteases, composed of alpha/MEP1A and beta/MEP1B subunits, that are members of the astacin family. Both subunits form disulfide-linked homo- or hetero-oligomers. Although the two subunits share 42% amino acid identity in their multi-domain structure, they differ significantly in their oligomeric structure, post-translational processing, cellular location and substrate specificity.

NCBI AND UNIPROT INFORMATION

NCBI GI #	31982199
NCBI GeneID	17287
NCBI Accession #	NP_032611.2
NCBI GenBank Nucleotide #	NM_008585.2
UniProt Accession #	P28825; Q91WH9; B0V2P9
Molecular Weight	84,231 Da
NCBI Official Full Name	meprin A subunit alpha
NCBI Official Synonym Full Names	meprin 1 alpha
NCBI Official Symbol	Mep1a
NCBI Official Synonym Symbols	Mep1; Mep-1; Mep-1a; AI098089; AW107200
NCBI Protein Information	meprin A subunit alpha
UniProt Protein Name	Meprin A subunit alpha
UniProt Gene Name	Mep1a
UniProt Entry Name	MEP1A_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/mep1a/263130>