

Mouse MEP1B ELISA Kit | MEP1B elisa kit

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CATALOG #
AAA263131

REACTIVITY
Mouse

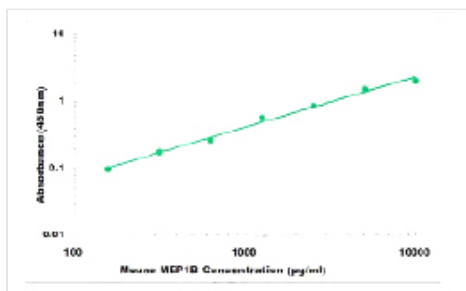
PRODUCT SYNONYMS

MEP1B; Mouse MEP1B ELISA Kit; Meprin A subunit beta; Endopeptidase-2; Meprin B; N-benzoyl-L-tyrosyl-P-amino-benzoic acid hydrolase subunit beta; PABA peptide hydrolase; PPH beta; MEP1B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	The Mouse MEP1B ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Mouse MEP1B proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	704
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 MEP1B elisa kit	Principle of the Assay: The Mouse MEP1B ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Mouse MEP1B in Cell Culture Supernates, Serum, Plasma, Cell Lysates, Tissue Homogenates. This assay employs an antibody specific for Mouse MEP1B coated on a 96-well plate. Standards and samples are pipetted into the wells and MEP1B present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Mouse MEP1B 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 MEP1B 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 proteases composed of alpha and beta subunits, which are members of the astacin family of zinc endopeptidases. Both meprin subunits form disulfide-linked homo- or heterooligomers, which are also referred to as Merpin A (composed of alpha subunits with or without beta subunits) and Merpin B (composed of beta subunits only). Although the two meprin subunits share 42% identity in their amino acid sequence, they differ significantly in their oligomeric structure, post-translational processing and subsequently cellular location, and substrate and peptide bond specificity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	147901863
NCBI GeneID	17288
NCBI Accession #	NP_032612.2
NCBI GenBank Nucleotide #	NM_008586.2
UniProt Accession #	Q61847; Q059K0
Molecular Weight	80,348 Da
NCBI Official Full Name	meprin A subunit beta
NCBI Official Synonym Full Names	meprin 1 beta
NCBI Official Symbol	Mep1b
NCBI Official Synonym Symbols	Mep-1b
NCBI Protein Information	meprin A subunit beta
UniProt Protein Name	Meprin A subunit beta
UniProt Gene Name	Mep1b
UniProt Synonym Gene Names	Mep-1b
UniProt Entry Name	MEP1B_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.