

Rat Meprin A Alpha (MEP1a) ELISA Kit | MEP1a elisa kit

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CATALOG # AAA181867	REACTIVITY Rat
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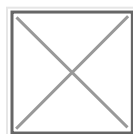
PRODUCT SYNONYMS

Meprin A Alpha (MEP1a); Rat Meprin A Alpha (MEP1a) ELISA Kit; PPHA; PABA Peptide Hydrolase; Endopeptidase-2; N-benzoyl-L-tyrosyl-P-amino-Benzoic Acid Hydrolase Subunit Alpha; MEP1a elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Meprin A Alpha (MEP1a). No significant cross-reactivity or interference between Meprin A Alpha (MEP1a) and analogues was observed.
Sequence Length	746
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	49.4-4,000pg/mL
Sensitivity	< 15.2pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Meprin A Alpha (MEP1a) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Meprin A Alpha (MEP1a) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MEP1a elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Meprin A Alpha (MEP1a) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Meprin A Alpha (MEP1a) and unlabeled Meprin A Alpha (MEP1a) (Standards or samples) with the pre-coated antibody specific to Meprin A Alpha (MEP1a). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Meprin A Alpha (MEP1a) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Meprin A Alpha (MEP1a) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153070262
NCBI GeneID	4224
NCBI Accession #	NP_005579.2
NCBI GenBank Nucleotide #	NM_005588.2
UniProt Accession #	Q16819; Q8TDC9; Q9H1R1; A2RRM4; B0AZP9; B2RCS2
Molecular Weight	84,419 Da
NCBI Official Full Name	meprin A subunit alpha
NCBI Official Synonym Full Names	meprin A subunit alpha
NCBI Official Symbol	MEP1A
NCBI Official Synonym Symbols	PPHA
NCBI Protein Information	meprin A subunit alpha
UniProt Protein Name	Meprin A subunit alpha
UniProt Gene Name	MEP1A

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/rat-elisa-kits/meprin-a-alpha-mep1a/181867>