

Rat Matrix Extracellular Phosphoglycoprotein (MEPE) ELISA Kit | MEPE elisa kit

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CATALOG #
AAA67448

REACTIVITY
Rat

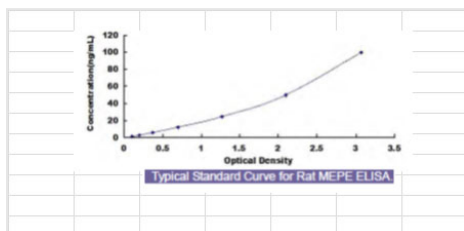
PRODUCT SYNONYMS

Matrix Extracellular Phosphoglycoprotein (MEPE); Rat Matrix Extracellular Phosphoglycoprotein (MEPE) ELISA Kit; OF45 Asarm Motif-Containing Osteoblast/Osteocyte Factor 45; MEPE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of MEPE. No significant cross-reactivity or interference between MEPE and analogues was observed.
Sequence Length	435
Samples	Serum, plasma and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.62ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MEPE were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MEPE were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MEPE elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of MEPE in rat serum, plasma and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to MEPE. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to MEPE. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain MEPE, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of MEPE in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GeneID	79110
UniProt Accession #	D6C6P2
Molecular Weight	46,496 Da
NCBI Official Synonym Full Names	matrix extracellular phosphoglycoprotein
NCBI Official Symbol	Mepe
NCBI Protein Information	matrix extracellular phosphoglycoprotein
UniProt Protein Name	Matrix extracellular phosphoglycoprotein
UniProt Gene Name	Mepe

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/matrix-extracellular-phosphoglycoprotein-mepe/67448>