

Human matrix extracellular phosphoglycoprotein ELISA Kit | MEPE elisa kit

Human matrix extracellular phosphoglycoprotein, MEPE ELISA Kit

CATALOG #
AAA80432

REACTIVITY
Human

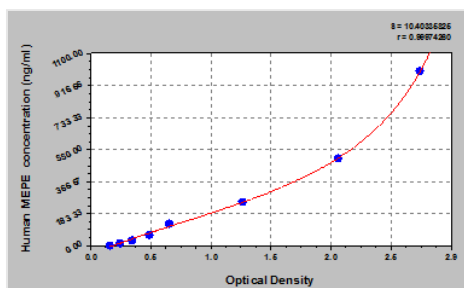
PRODUCT SYNONYMS

matrix extracellular phosphoglycoprotein; Human matrix extracellular phosphoglycoprotein; MEPE ELISA Kit; OF45; matrix; extracellular phosphoglycoprotein with ASARM motif (bone) ; MEPE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human MEPE. No significant cross-reactivity or interference between Human MEPE and analogues was observed.
Sequence Length	525
Samples	Serum, plasma, tissue homogenates
Assay Type	Sandwich
Detection Range	15.6 ng/ml-1000 ng/ml
Sensitivity	3.9 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
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 MEPE elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MEPE has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MEPE present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MEPE 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 MEPE bound in the initial step. The color development is stopped and the intensity of the color is measured.
References	Radiation activated CHK1/MEPE pathway may contribute to microgravity-induced bone density loss . Xiangming Zhang, Ping Wang, Ya Wang (2015)

NCBI AND UNIPROT INFORMATION

NCBI GI #	296011076
NCBI GeneID	56955
NCBI Accession #	NP_001171623.1
NCBI GenBank Nucleotide #	NM_001184694.2
UniProt Accession #	Q9NQ76; A1A4X9; A8MTA3; D2CFR4; F5H5C5
Molecular Weight	58,419 Da
NCBI Official Full Name	matrix extracellular phosphoglycoprotein isoform a
NCBI Official Synonym Full Names	matrix extracellular phosphoglycoprotein
NCBI Official Symbol	MEPE
NCBI Official Synonym Symbols	OF45
NCBI Protein Information	matrix extracellular phosphoglycoprotein; osteoblast/osteocyte factor 45; matrix, extracellular phosphoglycoprotein with ASARM motif (bone)
UniProt Protein Name	Matrix extracellular phosphoglycoprotein
UniProt Gene Name	MEPE
UniProt Synonym Gene Names	OF45
UniProt Entry Name	MEPE_HUMAN

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://www.aaabiotech.com/mepe-human-elisa-kits/matrix-extracellular-phosphoglycoprotein/80432>