

Human MEPE ELISA Kit | MEPE elisa kit

Human MEPE ELISA Kit PicoKine

CATALOG # AAA128030	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

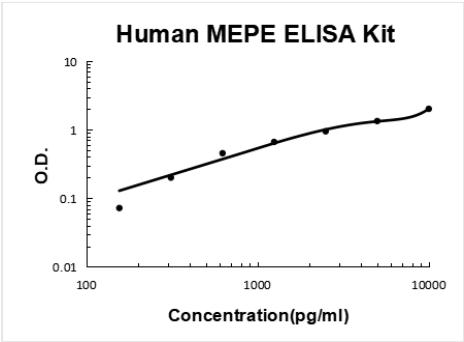
MEPE; Human MEPE ELISA Kit PicoKine; MEPE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	cell culture supernatants, serum and plasma (heparin, EDTA)
Assay Range	156pg/ml-10,000pg/ml
Sensitivity	<75pg/ml
Capture antibody and Detection antibody	polyclonal antibody from goat polyclonal antibody from goat
Immunogen	Expression system for standard: NS0; Immunogen sequence: P18-D525
Anticoagulant	heparin or EDTA
Cross Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Applicable Applications for MEPE elisa kit	ELISA
Kit Components	Description/Quantity Pre-coated 96-well strip microplate/1 Standard/2 vials, 10 ng/tube Biotinylated antibody (100x)/100ul Avidin-Biotin-Peroxidase Complex (100x)/100ul Sample Diluent/30ml Antibody Diluent/12ml Avidin-Biotin-Peroxidase Diluent/12ml Color Developing Reagent (TMB)/10ml Stop Solution/10ml Wash Buffer (25x)/20ml Adhesive plate sealers/4
Materials Required But Not Provided	Microplate Reader capable of reading absorbance at 450nm. Incubator. Automated plate washer (optional). Pipettes and pipette tips capable of precisely dispensing 0.5ul through 1ml volumes of aqueous solutions. Multichannel pipettes are recommended for large amount of samples. Deionized or distilled water. 500ml graduated cylinders. Test tubes for dilution.
Sample Data	Concentration(pg/ml)01563126251,2502,5005,00010,000O.D.0.0330.1050.2330.4870.6960.9811.3712.047
Intra Assay Consistency & Inter Assay Consistency	Intra-Assay PrecisionInter-Assay Precision Sample123123n161616242424Mean(pg/ml)22446242302056093785Standard deviation15.3918.94157.7815.9519.37123.39CV(%)6.9%4.1%3.7%7.8%3.2%3.3%

Reproducibility	LotsLot 1 (pg/ml)Lot 2 (pg/ml)Lot 3 (pg/ml)Lot 4 (pg/ml)Mean (pg/ml)Standard DeviationCV (%)Sample 122422630723424818.017.3%Sample 246233534045739919.574.9%Sample 342304343364846134209247.885.9%*number of samples for each test n=16.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Ships with gel ice, can store for up to 3 days in room temperature. Freeze upon receiving.)

IMAGES



Standard Curve (Sample)
Human MEPE PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for MEPE elisa kit	The brand Picokine indicates this is a premium quality ELISA kit. Each Picokine kit delivers precise quantification, high sensitivity, and excellent reproducibility. Only our most reliable and effective kits qualify as Picokine, guaranteeing top-tier results for your assays.
Product Categories/Family for MEPE elisa kit	PicoKine ELISA Kits

NCBI AND UNIPROT INFORMATION

NCBI GI #	296011082
NCBI GeneID	56955
NCBI Accession #	NP_001171626.1
NCBI GenBank Nucleotide #	NM_001184697.1
UniProt Accession #	Q9NQ76 ; A1A4X9 ; A8MTA3 ; D2CFR4 ; F5H5C5
Molecular Weight	58,419 Da
NCBI Official Full Name	matrix extracellular phosphoglycoprotein isoform b
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/human-elisa-kits/mepe/128030>