

Human Matrix extracellular phosphoglycoprotein ELISA Kit | MEPE elisa kit

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CATALOG #
AAA83298

REACTIVITY
Human

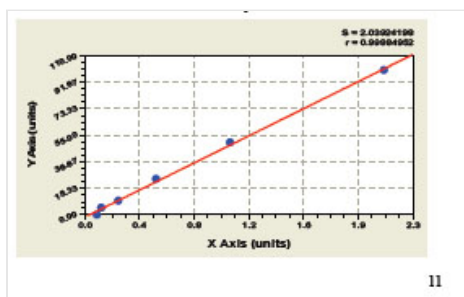
PRODUCT SYNONYMS

Matrix extracellular phosphoglycoprotein; Human Matrix extracellular phosphoglycoprotein ELISA Kit; MEPE elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MEPE elisa kit

For Samples Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This MEPE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MEPE. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY MEPE ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for MEPE. Standards or samples are then added to the microtiter plate wells and MEPE if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of MEPE present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for MEPE are added to each well to "sandwich" the MEPE immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain MEPE and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MEPE concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	118764291
NCBI GeneID	56955
Molecular Weight	45,291 Da
NCBI Official Full Name	Matrix extracellular phosphoglycoprotein
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/83298>