

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

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CATALOG #
AAA331800

REACTIVITY
Human

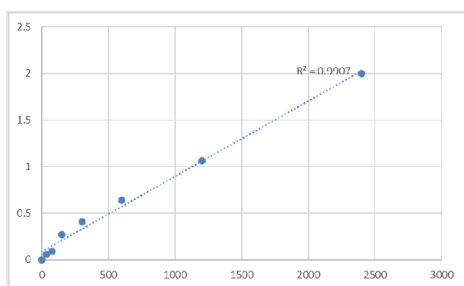
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Matrix extracellular phosphoglycoprotein (MEPE) ELISA Kit 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	412
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Matrix extracellular phosphoglycoprotein (MEPE) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MEPE elisa kit	Description: This Human Matrix extracellular phosphoglycoprotein (MEPE) ELISA Kit employs a two-site sandwich ELISA to quantitate MEPE in samples. An 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, Streptavidin 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. Background: MEPE encodes a secreted calcium-binding phosphoprotein that belongs to the small integrin-binding ligand, N-linked glycoprotein (SIBLING) family of proteins. Members of this family are components of the extracellular matrix of bone and dentin and regulate bone mineralization. Deficiency of a similar protein in mouse results in increased bone mass. Mice lacking this gene are resistant to aging-related trabecular bone loss. Alternative splicing results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	296011082
NCBI GeneID	56955
NCBI Accession #	NP_001171626.1
NCBI GenBank Nucleotide #	NP_001171626.1
UniProt Accession #	Q9NQ76
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
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.