

Canine Matrix extracellular phosphoglycoprotein ELISA Kit | MEPE elisa kit

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CATALOG #
AAA88991

REACTIVITY
Canine

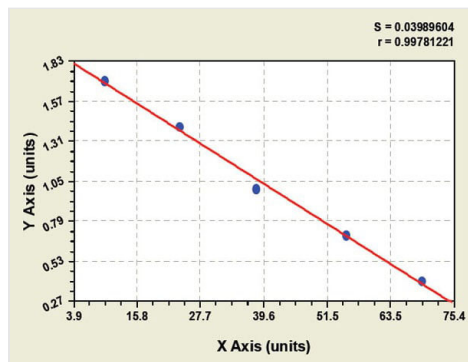
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This MEPE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine MEPE. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MEPE elisa kit

Principle of the Assay: MEPE ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-MEPE antibody and an MEPE-HRP conjugate. The assay sample and buffer are incubated together with MEPE-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the MEPE concentration since MEPE from samples and MEPE-HRP conjugate compete for the anti-MEPE antibody binding site. Since the number of sites is limited, as more sites are occupied by MEPE from the sample, fewer sites are left to bind MEPE-HRP conjugate. 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/mepe-canine-elisa-kits/matrix-extracellular-phosphoglycoprotein/88991>