

Human matrix Gla protein ELISA Kit | MGP elisa kit

Human Matrix Gla Protein, MGP ELISA Kit

CATALOG #
AAA15011

REACTIVITY
Human

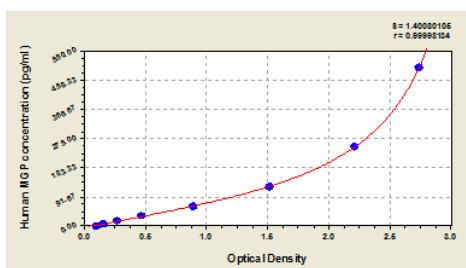
PRODUCT SYNONYMS

matrix Gla protein; Human Matrix Gla Protein; MGP ELISA Kit; GIG36; MGLAP; NTI; ; MGP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human MGP. No significant cross-reactivity or interference between human MGP and analogues was observed.
Sequence Length	103
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell culture supernates
Detection Range	7.8 pg/ml-500 pg/ml
Sensitivity	< 1.95 pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
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 MGP elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for MGP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MGP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MGP 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 MGP bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49574514
NCBI GeneID	4256
NCBI Accession #	NP_000891.2
NCBI GenBank Nucleotide #	NM_000900.3
UniProt Accession #	P08493; Q2TU41; Q567P9; Q6ICN5; A0M8W5; B2R519; J3KMX7
Molecular Weight	12,353 Da
NCBI Official Full Name	matrix Gla protein isoform 2
NCBI Official Synonym Full Names	matrix Gla protein
NCBI Official Symbol	MGP
NCBI Official Synonym Symbols	NTI; GIG36; MGLAP
NCBI Protein Information	matrix Gla protein; cell growth-inhibiting gene 36 protein
UniProt Protein Name	Matrix Gla protein
UniProt Gene Name	MGP
UniProt Synonym Gene Names	MGLAP; GIG36; MGP
UniProt Entry Name	MGP_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://stage.aaabiotech.com/mgp-human-elisa-kits/matrix-gla-protein/15011>