

Human Matrix Gla protein ELISA Kit | MGP elisa kit

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CATALOG #
AAA99460

REACTIVITY
Human

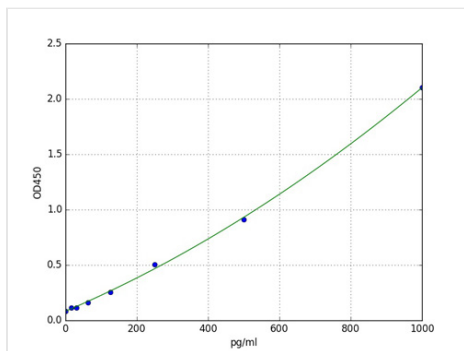
PRODUCT SYNONYMS

Matrix Gla protein; Human Matrix Gla protein ELISA Kit; MGP (Matrix Gla Protein)/Cell growth-inhibiting gene 36 protein; MGP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	103
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	15.625-1000pg/ml
Sensitivity	9.375pg/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve

Results of a typical standard run of a Human MGP ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	15.6	31.2	62.5	125	250	500	1000
Y	OD450	0.032	0.079	0.162	0.275	0.533	0.824	1.494	1.949

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MGP elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Human MGP antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human MGP antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human MGP amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human MGP can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

187591

NCBI GeneID	4256
Molecular Weight	15,325 Da
NCBI Official Full Name	matrix Gla protein
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
UniProt Protein Name	Matrix Gla protein
UniProt Gene Name	MGP
UniProt Synonym Gene Names	MGLAP; 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/99460>