

Human Matrix Gla ELISA Kit | MGP elisa kit

Human Matrix Gla Protein (MGP) ELISA Kit

CATALOG # AAA55824	REACTIVITY Human
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PRODUCT SYNONYMS

Matrix Gla; 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 LOX. No significant cross-reactivity or interference between Human LOX and analogues was observed.
Sequence Length	128
Samples	Serum, Plasma And Other Biological Fluids
Assay Type	Sandwich
Detection Range	62.5 pg/mL-4000 pg/mL
Sensitivity	31.25 pg/mL (mean of 6 independent assays).
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for MGP elisa kit	Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate LOX in Human serum, plasma. An antibody specific for LOX has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LOX present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LOX 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 LOX bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	49574514
NCBI GeneID	4256
NCBI Accession #	NP_000891.2
NCBI GenBank Nucleotide #	NM_000900.4
UniProt Accession #	P08493 ; Q2TU41 ; Q567P9 ; Q6ICN5 ; A0M8W5 ; B2R519 ; J3KMX7
Molecular Weight	15,325 Da
NCBI Official Full Name	matrix Gla protein isoform 2 preproprotein

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

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/mgp-human-elisa-kits/matrix-gla/55824>