

Human Microfibrillar-associated protein 5 ELISA Kit | MFAP5 elisa kit

Human Microfibrillar-associated protein 5 ELISA Kit

CATALOG #
AAA99446

REACTIVITY
Human

PRODUCT SYNONYMS

Microfibrillar-associated protein 5; Human Microfibrillar-associated protein 5 ELISA Kit; MAGP-2/MFAP5 (Microfibrillar-associated protein 5)/MP25/MAGP2/MFAP-5/Microfibril-associated glycoprotein 2/microfibrillar associated protein 5/microfibril-associated glycoprotein-2; MFAP5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MFAP5. No significant cross-reactivity or interference between MFAP5 and analogues was observed.
Sequence Length	170
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level MFAP5 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level MFAP5 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
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 MFAP5 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	ng/ml	0	0.312	0.625	1.25	2.5	5	10	20
Y	OD450	0.161	0.351	0.484	0.572	0.779	1.045	1.531	2.161

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MFAP5 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-MFAP5 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- MFAP5 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. HRP-Streptavidin 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 MFAP5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of MFAP5 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	27805993
NCBI GeneID	281908
NCBI Accession #	NP_776811.1
NCBI GenBank Nucleotide #	NM_174386.2
Molecular Weight	19,080 Da
NCBI Official Full Name	microfibrillar-associated protein 5
NCBI Official Symbol	MFAP5
NCBI Official Synonym Symbols	MAGP2
NCBI Protein Information	microfibrillar-associated protein 5
UniProt Protein Name	Microfibrillar-associated protein 5
UniProt Gene Name	MFAP5
UniProt Synonym Gene Names	MAGP2; MFAP-5; MAGP-2
UniProt Entry Name	MFAP5_BOVIN

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/mfap5-human-elisa-kits/microfibrillar-associated-protein-5/99446>