

Human Cartilage matrix protein ELISA Kit | CMP elisa kit

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CATALOG #
AAA84805

REACTIVITY
Human

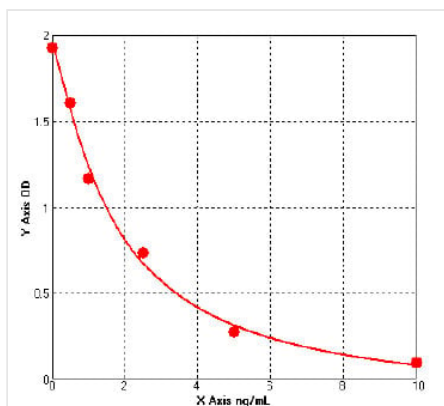
PRODUCT SYNONYMS

Cartilage matrix protein; Human Cartilage matrix protein ELISA Kit; CMP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MATN1. No significant cross-reactivity or interference between MATN1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MATN1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CMP elisa kit	Principle of the Assay: MATN1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-MATN1 antibody and an MATN1-HRP conjugate. The assay sample and buffer are incubated together with MATN1-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 MATN1 concentration since MATN1 from samples and MATN1-HRP conjugate compete for the anti-MATN1 antibody binding site. Since the number of sites is limited, as more sites are occupied by MATN1 from the sample, fewer sites are left to bind MATN1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MATN1 concentration in each sample is interpolated from this standard curve. Intended Uses: This MATN1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human MATN1. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1732121
NCBI GeneID	4146
Molecular Weight	53,701 Da
NCBI Official Full Name	cartilage matrix protein
NCBI Official Synonym Full Names	matrilin 1, cartilage matrix protein
NCBI Official Symbol	MATN1
NCBI Official Synonym Symbols	CMP; CRTM
NCBI Protein Information	cartilage matrix protein
UniProt Protein Name	Cartilage matrix protein
UniProt Gene Name	MATN1
UniProt Synonym Gene Names	CMP; CRTM
UniProt Entry Name	MATN1_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.