

Human cartilage oligomeric matrix protein ELISA Kit | COMP elisa kit

Human cartilage oligomeric protein, COMP ELISA Kit

CATALOG #
AAA79787

REACTIVITY
Human

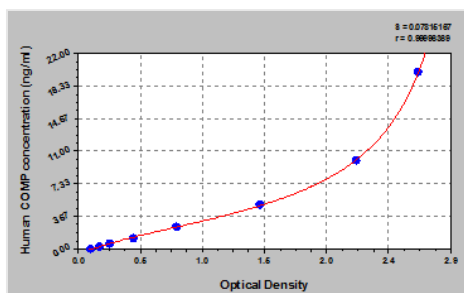
PRODUCT SYNONYMS

cartilage oligomeric matrix protein; Human cartilage oligomeric protein; COMP ELISA Kit; EDM1; EPD1; MED; MGC131819; MGC149768; PSACH; THBS5; cartilage oligomeric matrix protein (pseudoachondroplasia; epiphyseal dysplasia 1; multiple) ; cartilage oligomeric matrix protein (pseudoachondropl; COMP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human COMP. No significant cross-reactivity or interference between Human COMP and analogues was observed.
Sequence Length	757
Samples	Serum, plasma
Assay Type	Sandwich
Detection Range	0.312 ng/ml-20 ng/ml
Sensitivity	0.078 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Apoptosis/Autophagy
Protein Biological Process 3	Apoptosis
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 COMP elisa kit	Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for COMP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any COMP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for COMP 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 COMP 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 #	40217843
NCBI GeneID	1311
NCBI Accession #	NP_000086.2
NCBI GenBank Nucleotide #	NM_000095.2
UniProt Accession #	P49747; O14592; Q16388; Q16389; Q2NL86; Q8N4T2; B4DKJ3
Molecular Weight	82,860 Da
NCBI Official Full Name	cartilage oligomeric matrix protein
NCBI Official Synonym Full Names	cartilage oligomeric matrix protein
NCBI Official Symbol	COMP
NCBI Official Synonym Symbols	MED; EDM1; EPD1; PSACH; THBS5
NCBI Protein Information	cartilage oligomeric matrix protein; TSP5; thrombospondin-5; pseudoachondroplasia (epiphyseal dysplasia 1, multiple); cartilage oligomeric matrix protein(pseudoachondroplasia, epiphyseal dysplasia 1, multiple); cartilage oligomeric matrix protein (pseudoachondroplasia, epiphyseal dysplasia 1, multiple)
UniProt Protein Name	Cartilage oligomeric matrix protein
UniProt Gene Name	COMP
UniProt Synonym Gene Names	COMP; TSP5
UniProt Entry Name	COMP_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/comp-human-elisa-kits/cartilage-oligomeric-matrix-protein/79787>