

Human COMP ELISA Kit | COMP elisa kit

Human COMP ELISA Kit

CATALOG # AAA17873	REACTIVITY Human	APPLICATIONS ELISA
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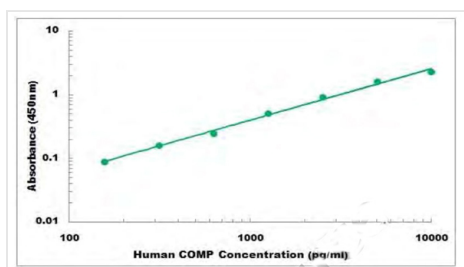
PRODUCT SYNONYMS

COMP; Human COMP ELISA Kit; Cartilage oligomeric matrix protein; Thrombospondin-5; TSP5; COMP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human COMP ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human COMP proteins within the range of 156 pg/ml - 10000 pg/ml.
Sequence Length	757
Samples	Culture Supernatants, Serum, Plasma
Sensitivity	< 10 pg/ml
Applicable Applications for COMP elisa kit	ELISA (Sandwich ELISA)
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COMP elisa kit

Background: Cartilage oligomeric matrix protein is a protein that in humans is encoded by the COMP gene. The sequences of rat and bovine COMP indicate that it is a member of the thrombospondin gene family. By Southern blot analysis of a somatic cell hybrid DNA panel and by isotopic in situ hybridization, human COMP gene was mapped to 19p13.1, and the murine COMP gene was mapped to the central region of mouse chromosome 8 by use of an interspecific backcross mapping panel. COMP is a marker of cartilage turnover.

Principle of the Assay: The Human COMP ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human COMP in Cell Culture Supernatants, Serum, Plasma. This assay employs an antibody specific for Human COMP coated on a 96-well plate. Standards and samples are pipetted into the wells and COMP present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human COMP antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of COMP bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

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	77,214 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://www.aaabiotech.com/human-elisa-kits/comp/17873>