

Rat Cartilage Oligomeric Matrix Protein (COMP) CLIA Kit | COMP clia kit

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CATALOG #
AAA130586

REACTIVITY
Rat

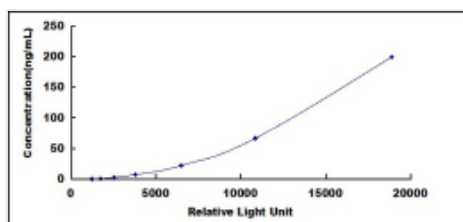
PRODUCT SYNONYMS

Cartilage Oligomeric Matrix Protein (COMP); Rat Cartilage Oligomeric Matrix Protein (COMP) CLIA Kit; MED; EDM1; EPD1; PSACH; THBS5; TSP-5; Pseudoachondroplasia; Epiphyseal Dysplasia 1; Multiple; Thrombospondin 5; COMP clia kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Cartilage Oligomeric Matrix Protein (COMP). No significant cross-reactivity or interference between Cartilage Oligomeric Matrix Protein (COMP) and analogues was observed.
Sequence Length	757
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	1.37-1,000ng/mL
Sensitivity	0.49ng/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Cartilage Oligomeric Matrix Protein (COMP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Cartilage Oligomeric Matrix Protein (COMP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COMP clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Cartilage Oligomeric Matrix Protein (COMP). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Cartilage Oligomeric Matrix Protein (COMP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Cartilage Oligomeric Matrix Protein (COMP) level in the sample or standard.;
Product Categories/Family for COMP clia kit	Metabolic pathway; Bone metabolism

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
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.