

Rat Cartilage Oligomeric Matrix Protein (COMP) ELISA Kit | COMP elisa kit

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CATALOG #
AAA184435

REACTIVITY
Rat

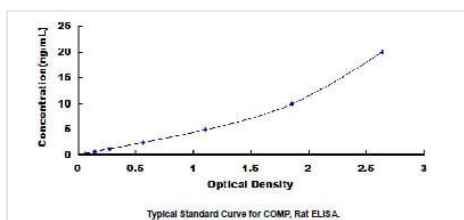
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of COMP. No significant cross-reactivity or interference between COMP and analogues was observed.
Sequence Length	704
Samples	rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	<0.127ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level COMP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level COMP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of COMP in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

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; TSP5; 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

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/rat-elisa-kits/cartilage-oligomeric-matrix-protein-comp/184435>