

Rat cartilage oligomeric matrix protein ELISA Kit | COMP elisa kit

Rat cartilage oligomeric matrix protein, COMP ELISA Kit

CATALOG #
AAA79446

REACTIVITY
Rat

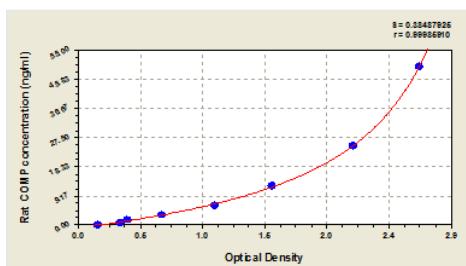
PRODUCT SYNONYMS

cartilage oligomeric matrix protein; Rat cartilage oligomeric matrix 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	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat COMP. No significant cross-reactivity or interference between Rat COMP and analogues was observed.
Sequence Length	755
Samples	Serum, plasma, tissue homogenates
Detection Range	0.78 ng/ml-50 ng/ml
Sensitivity	0.195 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: The microtiter plate provided in this kit has been pre-coated with an antibody specific to COMP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for COMP and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain COMP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of COMP in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978679
NCBI GeneID	25304
NCBI Accession #	NP_036966.1
NCBI GenBank Nucleotide #	NM_012834.1
UniProt Accession #	P35444
Molecular Weight	82,664 Da
NCBI Official Full Name	cartilage oligomeric matrix protein
NCBI Official Synonym Full Names	cartilage oligomeric matrix protein
NCBI Official Symbol	Comp
NCBI Protein Information	cartilage oligomeric matrix protein
UniProt Protein Name	Cartilage oligomeric matrix protein
UniProt Gene Name	Comp
UniProt Synonym Gene Names	COMP
UniProt Entry Name	COMP_RAT

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/comp-rat-elisa-kits/cartilage-oligomeric-matrix-protein/79446>