

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

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CATALOG #
AAA278508

REACTIVITY
Rat

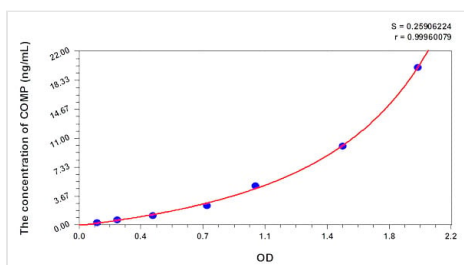
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Assay Type	Sandwich
Samples	serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	3.13-200ng/mL
Sensitivity	0.97ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COMP elisa kit

Test Principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Rat COMP. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Rat COMP. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Rat COMP, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Rat COMP in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for COMP elisa kit

[Metabolic pathway](#); [Bone metabolism](#)

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

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/comp-cartilage-oligomeric-matrix-protein/278508>