

Rat Cartilage oligomeric matrix protein ELISA Kit | Comp elisa kit

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CATALOG #
AAA97733

REACTIVITY
Rat

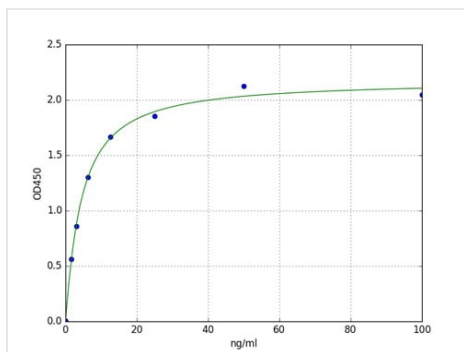
PRODUCT SYNONYMS

Cartilage oligomeric matrix protein; Rat Cartilage oligomeric matrix protein ELISA Kit; Comp/EDM1/EPD1/MED/PSACH/Thrombospondin-5/cartilage oligomeric matrix protein (pseudoachondroplasia; epiphyseal dysplasia1; multiple)/cartilage oligomeric matrix protein (pseudoachondroplasia; multiple)/EDM1/EPD1/MEDMGC131819/MGC149768/PSACH/pseudoachondroplasia (epiphyseal dysplasia 1; multiple)/THBS5/Thrombospondin-5/thrombospondin-5/TSP5; Comp elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	757
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	1.563-100ng/ml
Sensitivity	0.938ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve
Results of a typical standard run of a Rat Comp ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A-not applicable)

X	ng/ml	0	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.004	0.341	0.841	1.434	1.800	1.999	1.769	2.122

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Comp elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat Comp antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat Comp antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat Comp amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat Comp can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40217843
NCBI GeneID	1311
NCBI Accession #	NP_000086.2
NCBI GenBank Nucleotide #	NM_000095.2
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/comp-rat-elisa-kits/cartilage-oligomeric-matrix-protein/97733>