

Rat Cartilage Oligomeric Matrix Protein ELISA Kit | COMP elisa kit

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CATALOG #
AAA84228

REACTIVITY
Rat

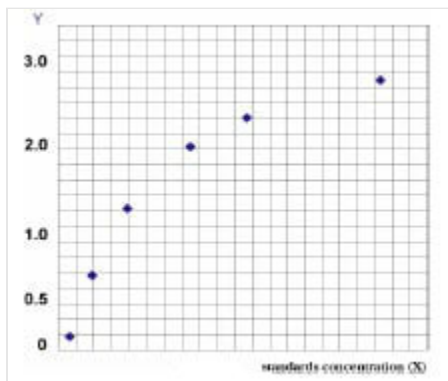
PRODUCT SYNONYMS

Cartilage Oligomeric Matrix Protein; Rat Cartilage Oligomeric Matrix Protein ELISA Kit; COMP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This COMP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat COMP. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COMP elisa kit

Principle of the assay: COMP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-COMP antibody and an COMP-HRP conjugate. The assay sample and buffer are incubated together with COMP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the COMP concentration since COMP from samples and COMP-HRP conjugate compete for the anti-COMP antibody binding site. Since the number of sites is limited, as more sites are occupied by COMP from the sample, fewer sites are left to bind COMP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COMP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	2618827
Molecular Weight	14,872 Da
NCBI Official Full Name	ComP
UniProt Protein Name	ComP
UniProt Gene Name	comP
UniProt Entry Name	O30583_9GAMM

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/84228>