

Human Cartilage Oligomeric Matrix Protein ELISA Kit | COMP elisa kit

Human Cartilage Oligomeric Matrix Protein ELISA Kit

CATALOG #
AAA84988

REACTIVITY
Human

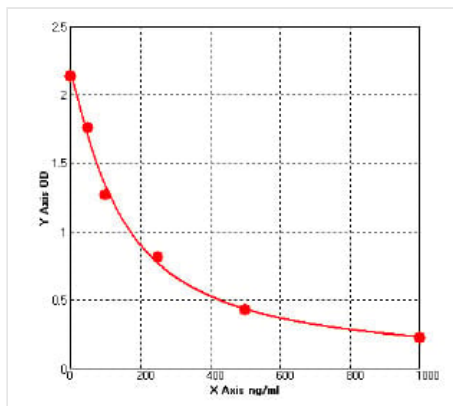
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between COMP and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for COMP elisa kit	Intended Uses: This COMP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human COMP. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: COMP ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal 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.
Product Categories/Family for COMP elisa kit	Signal Transduction

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/comp-human-elisa-kits/cartilage-oligomeric-matrix-protein/84988>