

Goat Cartilage Oligomeric Matrix Protein ELISA Kit | COMP elisa kit

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CATALOG #
AAA90920

REACTIVITY
Goat

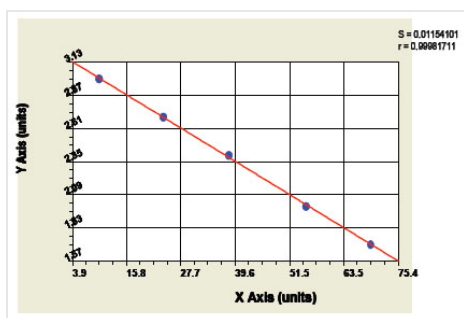
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This COMP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat 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.

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.

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Online datasheet: <https://stage.aaabiotech.com/comp-goat-elisa-kits/cartilage-oligomeric-matrix-protein/90920>