

# Rat Cartilage oligomeric matrix protein ELISA Kit | Comp elisa kit

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CATALOG #  
**AAA310096**

REACTIVITY  
**Rat**

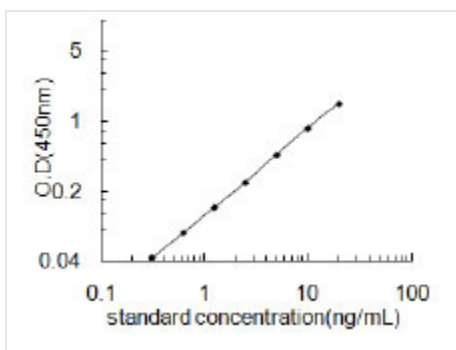
## PRODUCT SYNONYMS

Cartilage oligomeric matrix protein; Rat Cartilage oligomeric matrix protein ELISA Kit; COMP; Comp; Comp elisa kit

## PRODUCT SPECIFICATIONS

|                         |                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                       |
| Specificity             | This assay recognizes recombinant and natural PigHemopexin. No significant cross-reactivity or interference was observed. |
| Samples                 | Serum, Plasma, Tissue Homogenates, Cell Culture Supernates, And Other Biological Fluids                                   |
| Assay Type              | Quantitative Competitive                                                                                                  |
| Detection Range         | 0.62-40.0ng/mL.                                                                                                           |
| Preparation and Storage | Store at 4 degree C                                                                                                       |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for Comp elisa kit

**Intended Uses:** This immunoassay kit allows for the in vitro quantitative determination of pigHemopexin concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.

**Principle of the Assay:** The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Hemopexin. During the reaction, Hemopexin in the sample or standard competes with a fixed amount of biotin-labeled Hemopexin for sites on a pre-coated Monoclonal antibody specific to Hemopexin. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm  $\pm$  2 nm. The concentration of Hemopexin in the samples is then determined by comparing the O.D. of the samples to the standard curve.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/comp-rat-elisa-kits/cartilage-oligomeric-matrix-protein/310096>