

## Mouse cartilage oligomeric matrix protein (COMP) ELISA Kit | COMP elisa kit

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CATALOG #  
**AAA55249**

REACTIVITY  
**Mouse**

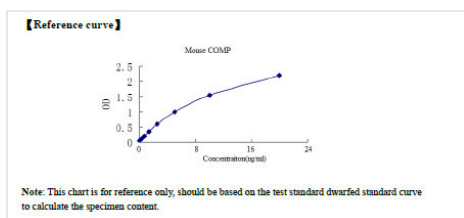
### PRODUCT SYNONYMS

cartilage oligomeric matrix protein (COMP); Mouse cartilage oligomeric matrix protein (COMP) ELISA Kit; COMP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                      |
|-------------------------|----------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                |
| Specificity             | No cross-reaction with other factors.                                                                                |
| Sequence Length         | 757                                                                                                                  |
| Samples                 | Mouse serum, plasma or cell culture supernatant and organizations in the natural and recombinant COMP concentration. |
| Assay Type              | Sandwich                                                                                                             |
| Detection Range         | 20 ng/ml-0.312 ng/ml                                                                                                 |
| Sensitivity             | 0.06 ng/ml.                                                                                                          |
| Intra-assay Precision   | <= 8%                                                                                                                |
| Inter-assay Precision   | <= 12%                                                                                                               |
| 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||This experiment use double-sandwich elisa technique and the ELISA Kit provided is typical. The pre-coated antibody is Mouse COMP monoclonal antibody and the detecting antibody is polyclonal antibody with biotin labeled. Samples and biotin labeling antibody are added into ELISA plate wells and washed out with PBS or TBS. Then Avidin-peroxidase conjugates are added to ELISA wells in order; Use TMB substrate for coloring after reactant thoroughly washed out by PBS or TBS. TMB turns into blue in peroxidase catalytic and finally turns into yellow under the action of acid. The color depth and the testing factors in samples are positively correlated.

### 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; TSP5; thrombospondin-5; pseudoachondroplasia (epiphyseal dysplasia 1, multiple); cartilage oligomeric matrix protein(pseudoachondroplasia, epiphyseal dysplasia 1, multiple); cartilage oligomeric matrix protein (pseudoachondroplasia, epiphyseal dysplasia 1, multiple) |
| UniProt Protein Name             | Cartilage oligomeric matrix protein                                                                                                                                                                                                                                                                             |
| UniProt Gene Name                | <b>COMP</b>                                                                                                                                                                                                                                                                                                     |
| 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.

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Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/cartilage-oligomeric-matrix-protein-comp/55249>