

## Human CPA2 ELISA Kit | CPA2 elisa kit

Human CPA2 PicoKine ELISA Kit

CATALOG #  
**AAA125074**

REACTIVITY  
**Human**

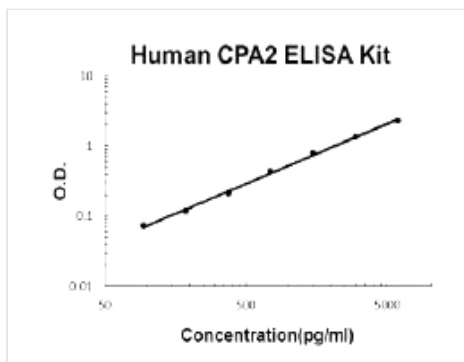
### PRODUCT SYNONYMS

CPA2; Human CPA2 PicoKine ELISA Kit; Human CPA2; CPA2 elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                      |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Human                                                                                                                                                |
| Specificity           | Natural and recombinant Human COMP                                                                                                                   |
| Sequence Length       | 61                                                                                                                                                   |
| Samples               | Cell Culture Supernates, Cell Lysates, Serum And Plasma (Heparin, Edta)                                                                              |
| Detection Range       | <10pg/ml                                                                                                                                             |
| Sensitivity           | 156pg/ml-10000pg/ml                                                                                                                                  |
| Intra-assay Precision | Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision     |
| Inter-assay Precision | Inter-Assay Precision (Precision across assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Related Product Information for CPA2 elisa kit | <p>Principle of the Assay: The Picokine Human COMP Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human COMP with a 96-well strip plate that is pre-coated with antibody specific for COMP. The detection antibody is a biotinylated antibody specific for COMP. The capture antibody is polyclonal antibody from goat, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human COMP with immunogen: Expression system for standard: NSO; Immunogen sequence: Q21-A757. The kit is analytically validated with ready to use reagents. To measure Human COMP, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Human COMP in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human COMP in the sample!!Background/Introduction: Cartilage oligomeric matrix protein is a protein that in humans is encoded by the COMP gene. The sequences of rat and bovine COMP indicate that it is a member of the thrombospondin gene family. By Southern blot analysis of a somatic cell hybrid DNA panel and by isotopic in situ hybridization, human COMP gene was mapped to 19p13.1, and the murine COMP gene was mapped to the central region of mouse chromosome 8 by use of an interspecific backcross mapping panel. COMP is a marker of cartilage turnover.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------------|-------------------------------|
| NCBI GI #                        | 957949177                     |
| NCBI GeneID                      | 1358                          |
| NCBI Official Full Name          | carboxypeptidase A2 isoform 5 |
| NCBI Official Synonym Full Names | carboxypeptidase A2           |
| NCBI Official Symbol             | CPA2                          |
| NCBI Protein Information         | carboxypeptidase A2           |

**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/human-elisa-kits/cpa2/125074>