

## CILP elisa kit

Human CILP PicoKine ELISA Kit

CATALOG #  
**AAA125110**

REACTIVITY  
**Human**There is no detectable cross-reactivity with other relevant proteins.

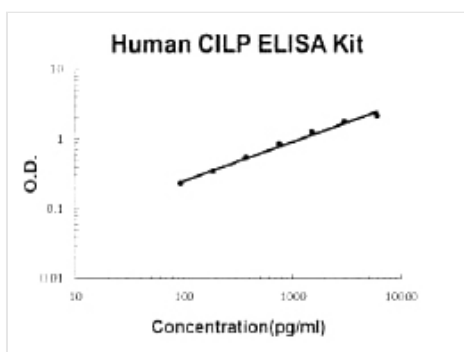
### PRODUCT SYNONYMS

CILP; Human CILP PicoKine ELISA Kit; Human CILP; Cartilage intermediate layer protein 1; CILP-1; Cartilage intermediate-layer protein; UNQ602/PRO1188; Cartilage intermediate layer protein; CILP elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human<br>There is no detectable cross-reactivity with other relevant proteins.                                                                        |
| Specificity             | Natural and recombinant Human CFP                                                                                                                     |
| Sequence Length         | 1,184                                                                                                                                                 |
| Samples                 | Cell Culture Supernates, Serum And Plasma (Heparin, Edta)                                                                                             |
| Detection Range         | 312pg/ml-20000pg/ml                                                                                                                                   |
| Sensitivity             | <10pg/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 accross assays):Three samples of known concentration were tested in separate assays to assess inter-assay precision. |
| Preparation and Storage | Store at 4 degree C for 6 months. Store at -20 degree C for 12 months.<br>Avoid multiple freeze-thaw cycles.                                          |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| Related Product Information for CILP elisa kit | <p>Principle of the Assay: The Picokine Human CFP Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CFP with a 96-well strip plate that is pre-coated with antibody specific for CFP. The detection antibody is a biotinylated antibody specific for CFP. The capture antibody is a monoclonal antibody from mouse, the detection antibody is a biotinylated polyclonal antibody from goat. The kit contains recombinant Human CFP with immunogen: Expression system for standard: NSO, Immunogen sequence: D28-L469. The kit is analytically validated with ready to use reagents. To measure Human CFP, 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 propotional to Human CFP 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 CFP in the sample!!Background/Introduction: Properdin or Factor P is the only known positive regulator of complement activation that stabilizes thealternative pathway convertases. This gene encodes a plasma glycoprotein that positively regulates the alternative complement pathway of the innate immune system. This protein binds to many microbial surfaces and apoptotic cells and stabilizes the C3-and C5-convertase enzyme complexes in a feedback loop that ultimately leads to formation of the membrane attack complex and lysis of the target cell. Mutations in this gene result in two forms of properdin deficiency, which results in high susceptibility to meningococcal infections. Multiple alternatively spliced variants, encoding the same protein, have been identified.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                      |
|----------------------------------|------------------------------------------------------|
| NCBI GI #                        | 192449445                                            |
| NCBI GeneID                      | 8483                                                 |
| NCBI Accession #                 | NP_003604.3                                          |
| NCBI GenBank Nucleotide #        | NM_003613.3                                          |
| UniProt Accession #              | O75339; Q6UW99; Q8IYI5; B2R8F7                       |
| Molecular Weight                 | 132,565 Da                                           |
| NCBI Official Full Name          | cartilage intermediate layer protein 1 preproprotein |
| NCBI Official Synonym Full Names | cartilage intermediate layer protein                 |
| NCBI Official Symbol             | CILP                                                 |
| NCBI Official Synonym Symbols    | CILP-1; HsT18872                                     |
| NCBI Protein Information         | cartilage intermediate layer protein 1               |
| UniProt Protein Name             | Cartilage intermediate layer protein 1               |
| UniProt Gene Name                | CILP                                                 |
| UniProt Synonym Gene Names       | CILP-1                                               |

**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.