

## Mouse Complement Component 4 ELISA Kit | C4 elisa kit

Mouse Complement Component 4 ELISA Kit

CATALOG #  
**AAA99490**

REACTIVITY  
**Mouse**

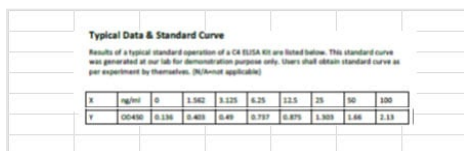
### PRODUCT SYNONYMS

Complement Component 4; Mouse Complement Component 4 ELISA Kit; C4; C4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                              |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of C4 . No significant crossreactivity or interference between C4 and analogues was observed. Note: Limited by current skills and knowledge, it is difficult for us to complete the crossreactivity detection between C4 and all the analogues, therefore, cross reaction may still exist. |
| Sequence Length         | 597                                                                                                                                                                                                                                                                                                                                                                |
| Assay Type              | Sandwich ELISA, Double Antibody                                                                                                                                                                                                                                                                                                                                    |
| Samples                 | Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples                                                                                                                                                                                                                                                                               |
| Detection Range         | 1.563-100ng/ml                                                                                                                                                                                                                                                                                                                                                     |
| Sensitivity             | 0.938ng/ml                                                                                                                                                                                                                                                                                                                                                         |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level C4 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%                                                                                                                                                                                                |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level C4 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%                                                                                                                                                            |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C                                                                                                                                                                                                       |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for C4 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti- C4 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- C4 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRPStreptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the C4 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of C4 can be calculated.

NCBI AND UNIPROT INFORMATION

|                                  |                                                              |
|----------------------------------|--------------------------------------------------------------|
| NCBI GI #                        | 119613909                                                    |
| NCBI GeneID                      | 722                                                          |
| Molecular Weight                 | 67,033 Da                                                    |
| NCBI Official Full Name          | complement component 4 binding protein, alpha, isoform CRA_c |
| NCBI Official Synonym Full Names | complement component 4 binding protein, alpha                |
| NCBI Official Symbol             | C4BPA                                                        |
| NCBI Official Synonym Symbols    | PRP; C4BP                                                    |
| NCBI Protein Information         | C4b-binding protein alpha chain                              |
| UniProt Protein Name             | C4b-binding protein alpha chain                              |
| UniProt Gene Name                | C4BPA                                                        |
| UniProt Synonym Gene Names       | C4BP; C4bp; PRP                                              |
| UniProt Entry Name               | C4BPA_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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