

## Human complement component 4 binding protein, beta ELISA Kit | C4BPB elisa kit

Human C4b-binding protein beta chain, C4BPB ELISA Kit

CATALOG #  
**AAA112578**

REACTIVITY  
**Human**

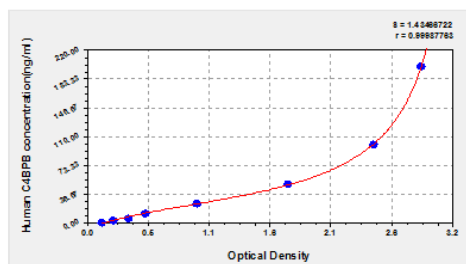
### PRODUCT SYNONYMS

complement component 4 binding protein; beta; Human C4b-binding protein beta chain; C4BPB ELISA Kit; Human C4b-binding protein beta chain (C4BPB) ELISA kit; C4BP; C4b binding protein; beta chain; complement component 4-binding protein; C4BPB elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                       |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human C4BPB. No significant cross-reactivity or interference between human C4BPB and analogues was observed.                                                                                                                                                                     |
| Sequence Length         | 252                                                                                                                                                                                                                                                                                                                                                         |
| Samples                 | Serum, plasma, cell culture supernates, tissue homogenates                                                                                                                                                                                                                                                                                                  |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                    |
| Detection Range         | 3.12 ng/ml -200 ng/ml.                                                                                                                                                                                                                                                                                                                                      |
| Sensitivity             | The minimum detectable dose of human C4BPB is typically less than 0.78 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations. |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                                                                                                                                                                                            |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                                                                                                                                                                                                     |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                                                           |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for C4BPB elisa kit | <b>Principle of the assay:</b> This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for C4BPB has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any C4BPB present is bound by the immobilized antibody. After removing any unbound substances, a Horseradish Peroxidase (HRP)-conjugated antibody specific for C4BPB is added to the wells. Following a wash to remove any unbound reagent, a substrate solution is added to the wells and color develops in proportion to the amount of C4BPB bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                              |
|----------------------------------|----------------------------------------------|
| NCBI GI #                        | 4502505                                      |
| NCBI GeneID                      | 725                                          |
| NCBI Accession #                 | NP_000707.1                                  |
| NCBI GenBank Nucleotide #        | NM_000716.3                                  |
| UniProt Accession #              | P20851; Q5VVR0; Q9BS25; A5JYP8; D3DT81       |
| Molecular Weight                 | 28,286 Da                                    |
| NCBI Official Full Name          | C4b-binding protein beta chain isoform 1     |
| NCBI Official Synonym Full Names | complement component 4 binding protein, beta |
| NCBI Official Symbol             | C4BPB                                        |
| NCBI Official Synonym Symbols    | C4BP                                         |
| NCBI Protein Information         | C4b-binding protein beta chain               |
| UniProt Protein Name             | C4b-binding protein beta chain               |
| UniProt Gene Name                | C4BPB                                        |
| UniProt Entry Name               | C4BPB_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/c4bpb-human-elisa-kits/complement-component-4-binding-protein-beta/112578>