

## Mouse Complement Factor I ELISA Kit | CFI elisa kit

Mouse Complement Factor I ELISA Kit

CATALOG #  
**AAA84624**

REACTIVITY  
**Mouse**

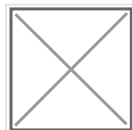
### PRODUCT SYNONYMS

Complement Factor I; Mouse Complement Factor I ELISA Kit; CFI elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                      |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Sandwich                                                                   |
| Detection Range         | 2.5-50ng/mL                                                                |
| Sensitivity             | 0.1ng/mL                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for CFI elisa kit

**Intended Uses:** This CFI ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse CFI. This ELISA kit for research use only!

**Principle of the Assay:** CFI ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CFI. Standards or samples are then added to the microtiter plate wells and CFI if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CFI present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CFI are added to each well to "sandwich" the CFI immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CFI and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CFI concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for CFI elisa kit

Immunology

### NCBI AND UNIPROT INFORMATION

#### NCBI GI #

[119392081](#)

|                                  |                                                                                                                                                                                                                   |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GeneID                      | 3426                                                                                                                                                                                                              |
| NCBI Accession #                 | NP_000195.2                                                                                                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_000204.3                                                                                                                                                                                                       |
| Molecular Weight                 | 65,750 Da                                                                                                                                                                                                         |
| NCBI Official Full Name          | complement factor I preproprotein                                                                                                                                                                                 |
| NCBI Official Synonym Full Names | complement factor I                                                                                                                                                                                               |
| NCBI Official Symbol             | CFI                                                                                                                                                                                                               |
| NCBI Official Synonym Symbols    | FI; IF; KAF; AHUS3; ARMD13; C3BINA; C3b-INA                                                                                                                                                                       |
| NCBI Protein Information         | complement factor I; C3b-inactivator; C3B/C4B inactivator; complement component I; light chain of factor I; Konglutinogen-activating factor; complement factor I heavy chain; complement control protein factor I |
| UniProt Protein Name             | Complement factor I                                                                                                                                                                                               |
| UniProt Gene Name                | <b>CFI</b>                                                                                                                                                                                                        |
| UniProt Synonym Gene Names       | IF                                                                                                                                                                                                                |
| UniProt Entry Name               | CFAI_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/cfi-mouse-elisa-kits/complement-factor-i/84624>