

## Chicken Complement Fragment 3a ELISA Kit | C3a elisa kit

Chicken Complement Fragment 3a ELISA Kit

CATALOG #  
**AAA96755**

REACTIVITY  
**Chicken**

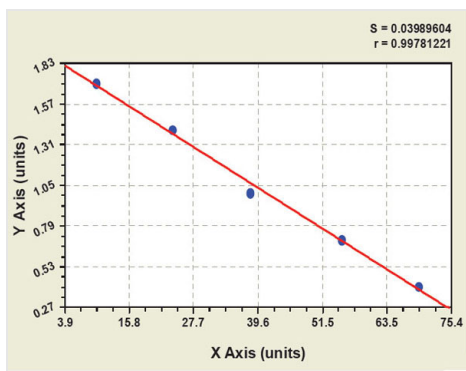
### PRODUCT SYNONYMS

Complement Fragment 3a; Chicken Complement Fragment 3a ELISA Kit; C3a elisa kit

### PRODUCT SPECIFICATIONS

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

### IMAGES



### ADDITIONAL INFORMATION

#### Related Product Information for C3a elisa kit

**Principle of the assay:** C3a ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-C3a antibody and an C3a-HRP conjugate. The assay sample and buffer are incubated together with C3a-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the C3a concentration since C3a from samples and C3a-HRP conjugate compete for the anti-C3a antibody binding site. Since the number of sites is limited, as more sites are occupied by C3a from the sample, fewer sites are left to bind C3a-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C3a concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for C3a elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 115298678                                                                                                                                                                                                                                                                                      |
| NCBI GeneID                      | 718                                                                                                                                                                                                                                                                                            |
| NCBI Accession #                 | NP_000055.2                                                                                                                                                                                                                                                                                    |
| NCBI GenBank Nucleotide #        | NM_000064.2                                                                                                                                                                                                                                                                                    |
| Molecular Weight                 | 187,148 Da                                                                                                                                                                                                                                                                                     |
| NCBI Official Full Name          | complement C3                                                                                                                                                                                                                                                                                  |
| NCBI Official Synonym Full Names | complement component 3                                                                                                                                                                                                                                                                         |
| NCBI Official Symbol             | C3                                                                                                                                                                                                                                                                                             |
| NCBI Official Synonym Symbols    | ASP; C3a; C3b; AHUS5; ARMD9; CPAMD1; HEL-S-62p                                                                                                                                                                                                                                                 |
| NCBI Protein Information         | complement C3; prepro-C3; C3a anaphylatoxin; complement component C3; complement component C3a; complement component C3b; acylation-stimulating protein cleavage product; epididymis secretory sperm binding protein Li 62p; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1 |
| UniProt Protein Name             | Complement C3                                                                                                                                                                                                                                                                                  |
| UniProt Gene Name                | C3                                                                                                                                                                                                                                                                                             |
| UniProt Synonym Gene Names       | CPAMD1; ASP                                                                                                                                                                                                                                                                                    |
| UniProt Entry Name               | CO3_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/c3a-chicken-elisa-kits/complement-fragment-3a/96755>