

## Guinea Pig Complement Component 3 (C3) ELISA Kit | C3 elisa kit

Guinea pig Complement Component 3 (C3) ELISA Kit

CATALOG #  
**AAA68390**

REACTIVITY  
**Guinea Pig**

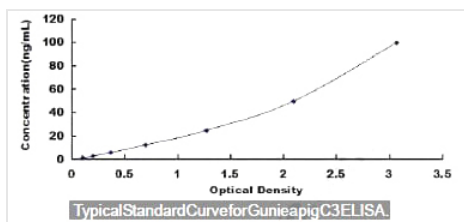
### PRODUCT SYNONYMS

Complement Component 3 (C3); Guinea pig Complement Component 3 (C3) ELISA Kit; ASP; CPAMD1; Complement Protein C3; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1; C3a anaphylatoxin; Acylation stimulating protein; C3 elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                        |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Guinea Pig                                                                                                                                                                                             |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of C3. No significant cross-reactivity or interference between C3 and analogues was observed.                                  |
| Sequence Length       | 1666                                                                                                                                                                                                   |
| Samples               | Serum, plasma, tissue homogenates or other biological fluids                                                                                                                                           |
| Assay Type            | Quantitative Sandwich                                                                                                                                                                                  |
| Detection Range       | 1.56-100ng/mL                                                                                                                                                                                          |
| Sensitivity           | <0.64ng/mL.                                                                                                                                                                                            |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level C3 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level C3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for C3 elisa kit | <p>Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of C3 in guinea pig serum, plasma, tissue homogenates or other biological fluids.</p> <p>Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to C3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to C3. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain C3, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of C3 in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

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|----------------------------|-----------------------------|
| NCBI GI #                  | 290543340                   |
| NCBI GeneID                | 100135462                   |
| NCBI Accession #           | NP_001166374.1              |
| NCBI GenBank Nucleotide #  | NM_001172903.1              |
| UniProt Accession #        | P12387                      |
| Molecular Weight           | 186,488 Da                  |
| NCBI Official Full Name    | complement C3 preproprotein |
| NCBI Official Symbol       | C3                          |
| NCBI Protein Information   | complement C3               |
| UniProt Protein Name       | Complement C3               |
| UniProt Gene Name          | C3                          |
| UniProt Synonym Gene Names | C3bc                        |

**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.