

## Monkey Complement fragment 4a ELISA Kit | C4a elisa kit

Monkey Complement fragment 4a ELISA Kit

CATALOG #  
**AAA17176**

REACTIVITY  
**Monkey**

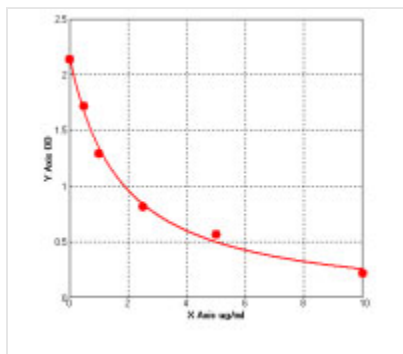
### PRODUCT SYNONYMS

Complement fragment 4a; Monkey Complement fragment 4a ELISA Kit; C4a elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Monkey                                                                                                                                                                                                                                                                                                                                                                                            |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of C4alpha. No significant cross-reactivity or interference between C4alpha and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between C4alpha and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                          |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                                        |
| Sensitivity             | 0.1 ug/mL                                                                                                                                                                                                                                                                                                                                                                                         |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                               |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for C4a elisa kit | <p>Principle of the Assay: C4alpha ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-C4alpha antibody and an C4alpha-HRP conjugate. The assay sample and buffer are incubated together with C4alpha-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 C4alpha concentration since C4alpha from samples and C4alpha-HRP conjugate compete for the anti-C4alpha antibody binding site. Since the number of sites is limited, as more sites are occupied by C4alpha from the sample, fewer sites are left to bind C4alpha-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C4alpha concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This C4alpha ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey C4alpha. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
| Product Categories/Family for C4a elisa kit   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                            |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 67190748                                                                                                                                                   |
| NCBI GeneID                      | 720                                                                                                                                                        |
| NCBI Accession #                 | NP_009224.2                                                                                                                                                |
| NCBI GenBank Nucleotide #        | NM_007293.2                                                                                                                                                |
| Molecular Weight                 | 187,704 Da                                                                                                                                                 |
| NCBI Official Full Name          | complement C4-A isoform 1 preproprotein                                                                                                                    |
| NCBI Official Synonym Full Names | complement component 4A (Rodgers blood group)                                                                                                              |
| NCBI Official Symbol             | C4A                                                                                                                                                        |
| NCBI Official Synonym Symbols    | C4; RG; C4S; CO4; C4A2; C4A3; C4A4; C4A6; C4AD; CPAMD2                                                                                                     |
| NCBI Protein Information         | complement C4-A; acidic C4; C4A anaphylatoxin; Rodgers form of C4; acidic complement C4; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 2 |
| UniProt Protein Name             | Complement C4-A                                                                                                                                            |
| UniProt Gene Name                | C4A                                                                                                                                                        |
| UniProt Synonym Gene Names       | CO4; CPAMD2                                                                                                                                                |
| UniProt Entry Name               | CO4A_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.