

## Canine Complement 4 ELISA Kit | C4 elisa kit

Canine Complement 4 ELISA Kit

CATALOG #  
**AAA16903**

REACTIVITY  
**Canine**

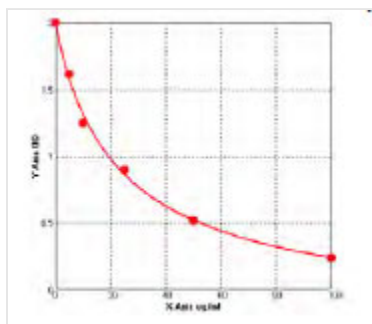
### PRODUCT SYNONYMS

Complement 4; Canine Complement 4 ELISA Kit; C4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Canine                                                                                                                                                                                                                                                                                                                                                                             |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of C4. No significant cross-reactivity or interference between C4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between C4 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             | 1.0 ?g/mL                                                                                                                                                                                                                                                                                                                                                                          |
| Intended Uses           | This C4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine C4. This ELISA kit for research use only, not for therapeutic applications!                                                                                                                                                                                                |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|----------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for C4 elisa kit | <p>Principle of the Assay: C4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-C4 antibody and an C4-HRP conjugate. The assay sample and buffer are incubated together with C4-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 C4 concentration since C4 from samples and C4-HRP conjugate compete for the anti-C4 antibody binding site. Since the number of sites is limited, as more sites are occupied by C4 from the sample, fewer sites are left to bind C4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The C4 concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This C4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine C4. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
| Product Categories/Family for C4 elisa kit   | Immunology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

NCBI AND UNIPROT INFORMATION

|                                  |                                                       |
|----------------------------------|-------------------------------------------------------|
| NCBI GI #                        | 116175422                                             |
| NCBI GeneID                      | 426611                                                |
| NCBI Accession #                 | NP_001070701.1                                        |
| NCBI GenBank Nucleotide #        | NM_001077233.1                                        |
| NCBI Official Full Name          | complement 4                                          |
| NCBI Official Synonym Full Names | complement 4                                          |
| NCBI Official Symbol             | C4                                                    |
| NCBI Official Synonym Symbols    | C4-2                                                  |
| NCBI Protein Information         | complement 4; complement C4; MHC-linked complement C4 |

**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/c4-canine-elisa-kits/complement-4/16903>