

## Pig Complement 4 ELISA Kit | C4 elisa kit

Pig Complement 4 (C4) ELISA Kit

|                              |                          |
|------------------------------|--------------------------|
| CATALOG #<br><b>AAA55751</b> | REACTIVITY<br><b>Pig</b> |
|------------------------------|--------------------------|

### PRODUCT SYNONYMS

Complement 4; Pig Complement 4 (C4) ELISA Kit; C4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                  |
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| Reactivity              | Pig                                                                                                                                                                                                                                                                                                                                                                                              |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Pig C4. No significant cross-reactivity or interference between Pig C4 and analogues was observed.                                                                                                                                                                                                                    |
| Sequence Length         | 1665                                                                                                                                                                                                                                                                                                                                                                                             |
| Samples                 | Serum, Plasma, Other biological fluids                                                                                                                                                                                                                                                                                                                                                           |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                                                         |
| Sample Volume           | 1-200 uL                                                                                                                                                                                                                                                                                                                                                                                         |
| Precision               | Intra-assay Precision (Precision within an assay)<br>Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.<br>Inter-assay Precision (Precision between assays)<br>Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.<br>CV (%) = SD/meanX100<br>Intra-Assay: CV<br>Inter-Assay: CV |
| Detection Wavelength    | 450 nm                                                                                                                                                                                                                                                                                                                                                                                           |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                                           |

### ADDITIONAL INFORMATION

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| Related Product Information for C4 elisa kit | Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate C4 in samples. An antibody specific for C4 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyC4 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for C4 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of C4 bound in the initial step. The color development is stopped and the intensity of the color is measured. |
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### NCBI AND UNIPROT INFORMATION

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|---------------------------|--------------------------------|
| NCBI GI #                 | <a href="#">116175422</a>      |
| NCBI GeneID               | <a href="#">426611</a>         |
| NCBI Accession #          | <a href="#">NP_001070701.1</a> |
| NCBI GenBank Nucleotide # | <a href="#">NM_001077233.1</a> |
| 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://www.aaabiotech.com/c4-pig-elisa-kits/complement-4/55751>