

## Porcine C Reactive Protein ELISA Kit | CRP elisa kit

Porcine C Reactive Protein ELISA Kit

CATALOG #  
**AAA86671**

REACTIVITY  
**Porcine**

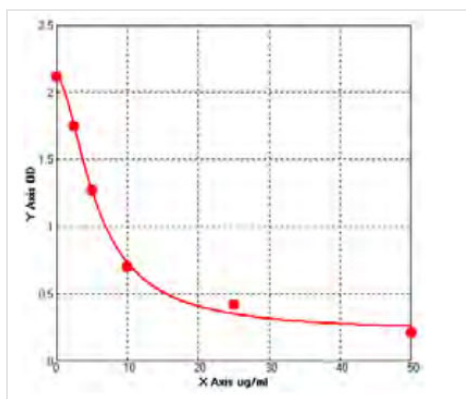
### PRODUCT SYNONYMS

C Reactive Protein; Porcine C Reactive Protein ELISA Kit; CRP elisa kit

### PRODUCT SPECIFICATIONS

|                            |                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                 | Porcine                                                                                                                                                                                                                                                                                                                                                                               |
| Specificity                | This assay has high sensitivity and excellent specificity for detection of CRP. No significant cross-reactivity or interference between CRP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CRP 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                                                                                                                                                                                                                                                                                                                                                                             |
| Highest Standards          | 250ng/mL                                                                                                                                                                                                                                                                                                                                                                              |
| Concentration of Standards | Concentration of Standards                                                                                                                                                                                                                                                                                                                                                            |
| Preparation and Storage    | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                   |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

|                                  |                                       |
|----------------------------------|---------------------------------------|
| NCBI GI #                        | 17975775                              |
| NCBI GeneID                      | 1401                                  |
| Molecular Weight                 | 10,415 Da                             |
| NCBI Official Full Name          | CRP                                   |
| NCBI Official Synonym Full Names | C-reactive protein, pentraxin-related |
| NCBI Official Symbol             | CRP                                   |
| NCBI Official Synonym Symbols    | PTX1                                  |
| NCBI Protein Information         | C-reactive protein; pentraxin 1       |
| UniProt Protein Name             | C-reactive protein                    |
| UniProt Gene Name                | CRP                                   |
| UniProt Synonym Gene Names       | PTX1                                  |
| UniProt Entry Name               | CRP_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/crp-porcine-elisa-kits/c-reactive-protein/86671>