

Rat C Reactive Protein ELISA Kit | CRP elisa kit

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CATALOG #
AAA86470

REACTIVITY
Rat

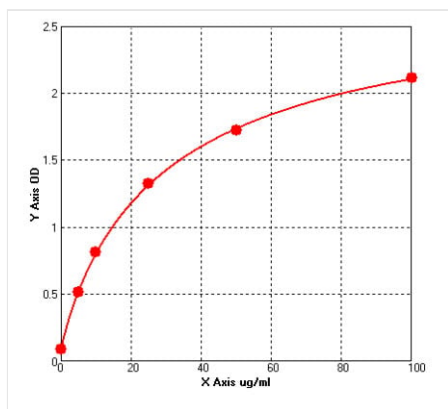
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
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 or Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0ug/mL
Highest Standards	100ug/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	Principle of the Assay: CRP ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CRP. Standards or samples are then added to the microtiter plate wells and CRP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CRP present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for CRP are added to each well to "sandwich" the CRP immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CRP and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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. Intended Uses: This CRP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CRP. This ELISA kit for research use only, not for therapeutic or test applications!
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://www.aaabiotech.com/crp-rat-elisa-kits/c-reactive-protein/86470>