

Chicken C Reactive Protein (CRP) ELISA Kit | CRP elisa kit

Chicken C Reactive Protein (CRP) High Sensitive ELISA Kit

CATALOG #
AAA147260

REACTIVITY
Chicken

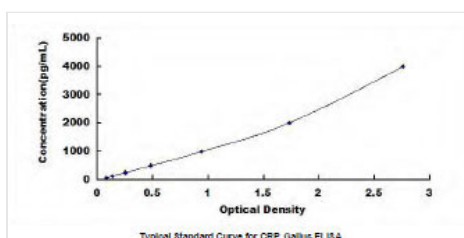
PRODUCT SYNONYMS

C Reactive Protein (CRP); Chicken C Reactive Protein (CRP) High Sensitive ELISA Kit; C-RP; PTX1; Pentraxin-Related; Pentraxin 1; CRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Chicken
Specificity	This assay has high sensitivity and excellent specificity for detection of High Sensitive C Reactive Protein (CRP). No significant cross-reactivity or interference between High Sensitive C Reactive Protein (CRP) and analogues was observed.
Sequence Length	227
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	62.5-4,000pg/mL
Sensitivity	27.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level High Sensitive C Reactive Protein (CRP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level High Sensitive C Reactive Protein (CRP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRP elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to High Sensitive C Reactive Protein (CRP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to High Sensitive C Reactive Protein (CRP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain High Sensitive C Reactive Protein (CRP), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of High Sensitive C Reactive Protein (CRP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for CRP elisa kit	Tumor immunity; Infection immunity; Cardiovascular biology; Rheumatology

NCBI AND UNIPROT INFORMATION

NCBI GI #	88501727
NCBI GeneID	429786
NCBI Accession #	NP_001034653.1
NCBI GenBank Nucleotide #	NM_001039564.1
UniProt Accession #	Q2EJU6; H9L1W9
Molecular Weight	25,660 Da
NCBI Official Full Name	C-reactive protein
NCBI Official Synonym Full Names	C-reactive protein, pentraxin-related
NCBI Official Symbol	CRP
NCBI Official Synonym Symbols	APCS
NCBI Protein Information	C-reactive protein
UniProt Protein Name	Pentaxin
UniProt Gene Name	CRP

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/chicken-elisa-kits/c-reactive-protein-crp/147260>