

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

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CATALOG #
AAA64788

REACTIVITY
Chicken

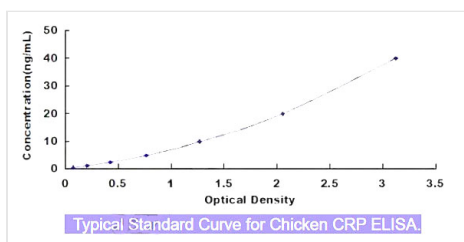
PRODUCT SYNONYMS

C Reactive Protein (CRP); Chicken C Reactive Protein (CRP) 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 CRP. No significant cross-reactivity or interference between CRP and analogues was observed.
Sequence Length	227
Assay Type	Quantitative Sandwich
Samples	Chicken serum, plasma or other biological fluids
Detection Range	0.625-40ng/mL
Sensitivity	< 0.211ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CRP were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CRP were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRP elisa kit	Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CRP. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 CRP in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CRP in chicken serum, plasma or other biological fluids.
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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.