

Sheep C Reactive Protein ELISA Kit | CRP elisa kit

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CATALOG #
AAA90354

REACTIVITY
Sheep

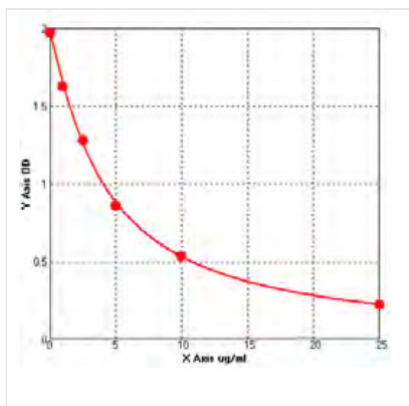
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
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
Intended Uses	This CRP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep CRP. This ELISA kit for research use only, not for therapeutic applications!
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 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. Intended Uses: This CRP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep 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-sheep-elisa-kits/c-reactive-protein/90354>