

Sheep High sensitivity C-Reactive Protein ELISA Kit | Hs-CRP elisa kit

Sheep High sensitivity C-Reactive Protein ELISA Kit

CATALOG #
AAA90969

REACTIVITY
Sheep

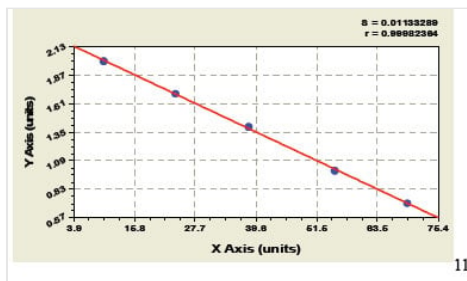
PRODUCT SYNONYMS

High sensitivity C-Reactive Protein; Sheep High sensitivity C-Reactive Protein ELISA Kit; Hs-CRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CRP-HS ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep CRP-HS. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for Hs-CRP elisa kit

Principle of the assay: CRP-HS ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CRP-HS antibody and an CRP-HS-HRP conjugate. The assay sample and buffer are incubated together with CRP-HS-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-HS concentration since CRP-HS from samples and CRP-HS-HRP conjugate compete for the anti-CRP-HS antibody binding site. Since the number of sites is limited, as more sites are occupied by CRP-HS from the sample, fewer sites are left to bind CRP-HS-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CRP-HS concentration in each sample is interpolated from this standard curve.

Product Categories/Family for Hs-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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/hs-crp-sheep-elisa-kits/high-sensitivity-c-reactive-protein/90969>