

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

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CATALOG #
AAA16107

REACTIVITY
Human

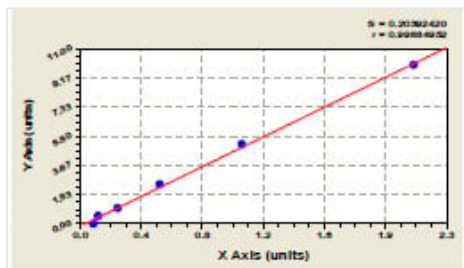
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This hs-CRP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human hs-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 Hs CRP elisa kit

Principle of the assay: hs-CRP ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for hs-CRP. Standards or samples are then added to the microtiter plate wells and hs-CRP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of hs-CRP present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for hs-CRP are added to each well to "sandwich" the hs-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 hs-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 hs-CRP 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://www.aaabiotech.com/hs-crp-human-elisa-kits/high-sensitivity-c-reactive-protein/16107>