

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

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CATALOG #
AAA82800

REACTIVITY
Rat

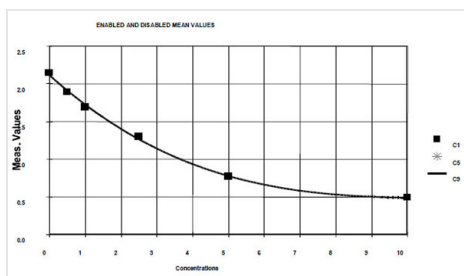
PRODUCT SYNONYMS

High sensitivity C-Reactive Protein; Rat High sensitivity C-Reactive Protein ELISA Kit; High sensitivity C-Reactive Protein (Rat); Hs-CRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma
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

For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

Intended Uses: This HS-CRP ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of HS-CRP in the sample, this HS-CRP ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus HS-CRP concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of HS-CRP utilizes a monoclonal anti-HS-CRP antibody and an HS-CRP-HRP conjugate. The assay sample and buffer are incubated together with HS-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 HS-CRP concentration since HS-CRP from samples and HS-CRP-HRP conjugate compete for the anti-HS-CRP antibody binding site. Since the number of sites is limited, as more sites are occupied by HS-CRP from the sample, fewer sites are left to bind HS-CRP-HRP conjugate. Standards of known HS-CRP concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of HS-CRP. The HS-CRP concentration in each sample is interpolated from this standard curve.

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://stage.aaabiotech.com/hs-crp-rat-elisa-kits/high-sensitivity-c-reactive-protein/82800>