

Rat Cysteine ELISA Kit | Cys elisa kit

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CATALOG #
AAA95303

REACTIVITY
Rat

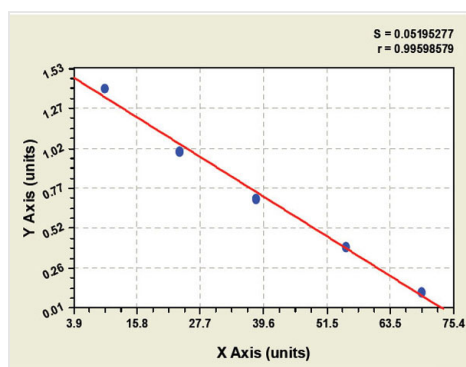
PRODUCT SYNONYMS

Cysteine; Rat Cysteine ELISA Kit; Cys elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cys elisa kit

Intended Uses: This Cys ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat Cys. This ELISA kit for research use only!

Principle of the Assay: Cys ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Cys antibody and an Cys-HRP conjugate. The assay sample and buffer are incubated together with Cys-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 Cys concentration since Cys from samples and Cys-HRP conjugate compete for the anti-Cys antibody binding site. Since the number of sites is limited, as more sites are occupied by Cys from the sample, fewer sites are left to bind Cys-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Cys 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/cys-rat-elisa-kits/cysteine/95303>