

Rat Corticosterone ELISA Kit | CORT elisa kit

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CATALOG #
AAA95294

REACTIVITY
Rat

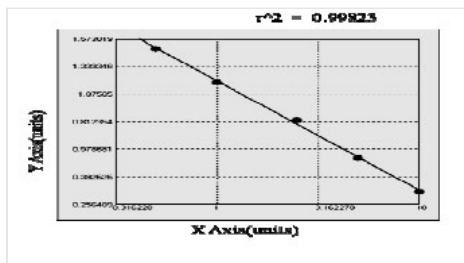
PRODUCT SYNONYMS

Corticosterone; Rat Corticosterone ELISA Kit; CORT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CORT elisa kit

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

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

Product Categories/Family for CORT elisa kit

Signal Transduction

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/cort-rat-elisa-kits/corticosterone/95294>