

Rat 17alpha Methyltestosterone ELISA Kit | 17-alphaMT elisa kit

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CATALOG #
AAA244874

REACTIVITY
Rat

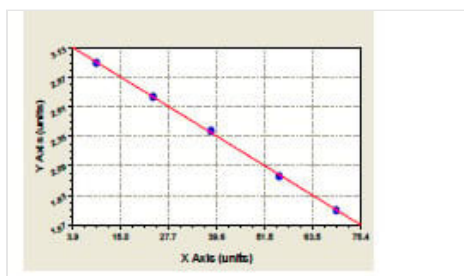
PRODUCT SYNONYMS

17alpha Methyltestosterone; Rat 17alpha Methyltestosterone ELISA Kit; Rat 17a Methyltestosterone ELISA Kit; 17-alphaMT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for 17-alphaMT elisa kit

Intended Uses: This 17-alphaMT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat 17-alphaMT. This ELISA kit for research use only!

Principle of the Assay: 17-alphaMT ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-17-alphaMT antibody and an 17-alphaMT-HRP conjugate. The assay sample and buffer are incubated together with 17-alphaMT-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 17-alphaMT concentration since 17-alphaMT from samples and 17-alphaMT-HRP conjugate compete for the anti-17-alphaMT antibody binding site. Since the number of sites is limited, as more sites are occupied by 17-alphaMT from the sample, fewer sites are left to bind 17-alphaMT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The 17-alphaMT 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.

