

Rat beta-Hydroxybutyric Acid ELISA Kit | beta-OHB elisa kit

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CATALOG #
AAA82678

REACTIVITY
Rat

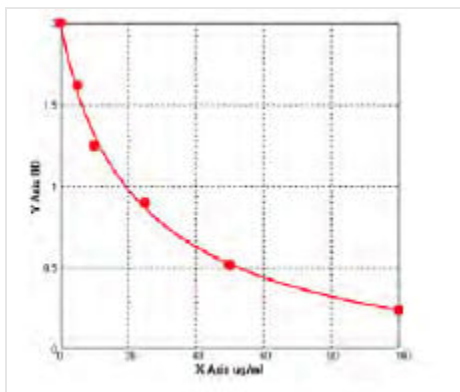
PRODUCT SYNONYMS

beta-Hydroxybutyric Acid; Rat beta-Hydroxybutyric Acid ELISA Kit; b-Hydroxybutyric Acid; beta-Hydroxybutyric Acid (Rat); beta-OHB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of betaHA. No significant cross-reactivity or interference between betaHA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between betaHA and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ?g/mL
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for beta-OHB elisa kit	Intended Uses: This betaHA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat betaHA. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: betaHA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-betaHA antibody and an betaHA-HRP conjugate. The assay sample and buffer are incubated together with betaHA-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 betaHA concentration since betaHA from samples and betaHA-HRP conjugate compete for the anti-betaHA antibody binding site. Since the number of sites is limited, as more sites are occupied by betaHA from the sample, fewer sites are left to bind betaHA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The betaHA concentration in each sample is interpolated from this standard curve.
Product Categories/Family for beta-OHB elisa kit	Rat ELISA Kit

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/beta-ohb-rat-elisa-kits/beta-hydroxybutyric-acid/82678>