

General beta-Hydroxybutyric acid ELISA Kit | BHA elisa kit

beta-Hydroxybutyric acid ELISA Kit

CATALOG #
AAA56181

REACTIVITY
General

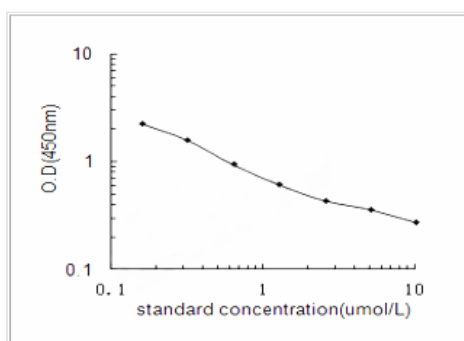
PRODUCT SYNONYMS

beta-Hydroxybutyric acid; beta-Hydroxybutyric acid ELISA Kit; BHA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay recognizes recombinant and natural General beta-Hydroxybutyric acid. No significant cross-reactivity or interference was observed.
Samples	Serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.
Assay Type	Competitive
Detection Range	0.15-10.0 umol/L.
Sensitivity	The minimum detectable dose of General beta-Hydroxybutyric acid is typically less than 0.039 umol/L. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero.
Intended Uses	This immunoassay kit allows for the in vitro quantitative determination of general beta-Hydroxybutyric acid concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BHA elisa kit	Principle of the Assay: The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to beta-Hydroxybutyric acid, During the reaction, beta-Hydroxybutyric acid in the sample or standard competes with a fixed amount of biotin-labeled beta-Hydroxybutyric acid for sites on a pre-coated Monoclonal antibody specific to beta-Hydroxybutyric acid. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of beta-Hydroxybutyric acid in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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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/bha-general-elisa-kits/beta-hydroxybutyric-acid/56181>