

Bovine beta Hydroxybutyrate ELISA Kit | beta-OHB elisa kit

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CATALOG #
AAA92886

REACTIVITY
Bovine

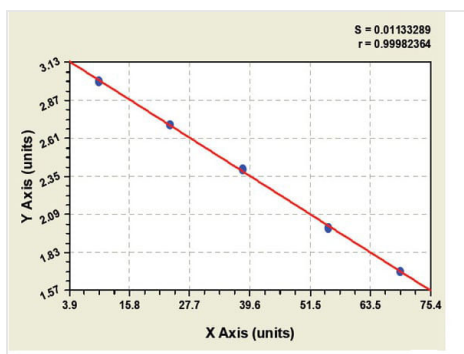
PRODUCT SYNONYMS

beta Hydroxybutyrate; Bovine beta Hydroxybutyrate ELISA Kit; Bovine b Hydroxybutyrate ELISA Kit; beta-OHB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1ng/mL.
Intended Uses	This beta-OHB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine beta-OHB. This ELISA kit for research use only, not for therapeutic applications!
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

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	13474375
NCBI Accession #	NP_105943.1
NCBI GenBank Nucleotide #	NC_002678.2
NCBI Official Full Name	beta-hydroxybutyrate dehydrogenase

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/beta-ohb-bovine-ovine-elisa-kits/beta-hydroxybutyrate/92886>