

Sheep beta Hydroxybutyrate ELISA Kit | beta-OHB elisa kit

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CATALOG #
AAA16968

REACTIVITY
Sheep

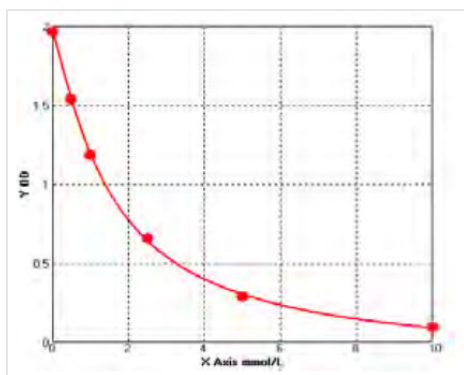
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of betaOHB. No significant cross-reactivity or interference between betaOHB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between betaOHB and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 mmol/L
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: betaOHB ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-betaOHB antibody and an betaOHB-HRP conjugate. The assay sample and buffer are incubated together with betaOHB-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 betaOHB concentration since betaOHB from samples and betaOHB-HRP conjugate compete for the anti-betaOHB antibody binding site. Since the number of sites is limited, as more sites are occupied by betaOHB from the sample, fewer sites are left to bind betaOHB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The betaOHB concentration in each sample is interpolated from this standard curve. Intended Uses: This betaOHB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep betaOHB. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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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.

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Online datasheet: <https://stage.aaabiotech.com/beta-ohb-sheep-elisa-kits/beta-hydroxybutyrate/16968>