

## Product Datasheet

# General Beta-Hydroxybutyric Acid (bHB) ELISA Kit (orb781676)

<b>Catalog Number</b>	orb781676
<b>Category</b>	Assays and Kits
<b>Description</b>	This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Beta-Hydroxybutyric Acid(bHB) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Beta-Hydroxybutyric Acid(bHB).
<b>Reactivity</b>	All
<b>Concentration</b>	100 µg/mL
<b>Tested applications</b>	ELISA
<b>Application notes</b>	standard: 100 µg/mL. Test principle: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with bHB protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to bHB. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of bHB in the samples is then determined by comparing the OD of the samples to the standard curve
<b>Assay Type</b>	Competitive
<b>Assay Time</b>	2h
<b>Range</b>	1.57-100 µg/mL

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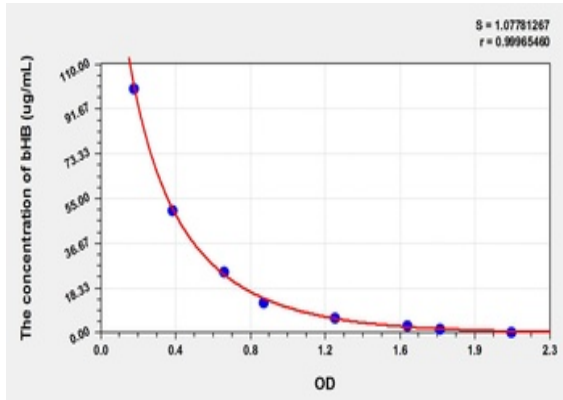
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<b>Sensitivity</b>	0.46 µg/mL
<b>Sample Types</b>	serum, plasma, cell lysates, cell culture supernates and other biological fluids
<b>Note</b>	For research use only
<b>Expiration Date</b>	Please enquire.

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