

General Tetrahydrobiopterin (THB) ELISA Kit | THB elisa kit

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CATALOG #
AAA68727

REACTIVITY
General

PRODUCT SYNONYMS

Tetrahydrobiopterin (THB); General Tetrahydrobiopterin (THB) ELISA Kit; BH4; THB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of THB. No significant cross-reactivity or interference between THB and analogues was observed.
Assay Type	Quantitative Competitive
Samples	General serum, plasma, tissue homogenates or other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.056ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level THB were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level THB were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

ADDITIONAL INFORMATION

Related Product Information for THB elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to THB has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled THB and unlabeled THB (Standards or samples) with the pre-coated antibody specific to THB. After incubation the unbound conjugate is washed off. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of THB in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of THB in the sample.

Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of THB in general serum, plasma, tissue homogenates or other biological fluids.

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://www.aaabiotech.com/general-elisa-kits/tetrahydrobiopterin-thb/68727>