

General THB (Tetrahydrobiopterin) ELISA Kit | THB elisa kit

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CATALOG #
AAA276738

REACTIVITY
General

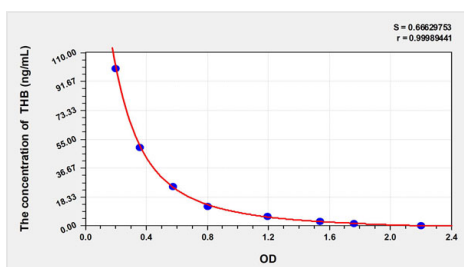
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of General THB. No significant cross-reactivity or interference between General THB and analogues was observed.
Assay Type	Competitive
Detection Range	1.57-100 ng/mL
Sensitivity	0.51 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
Preparation and Storage	Store at 2-8 degree C. Stable for 6 months from date of receipt.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for THB elisa kit

Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Tetrahydrobiopterin (THB) protein. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Tetrahydrobiopterin (THB). 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 Tetrahydrobiopterin (THB) in the samples is then determined by comparing the OD of the samples to the standard curve.

Product Categories/Family for THB elisa kit

[Genetic diseases](#)

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/general-elisa-kits/thb-tetrahydrobiopterin/276738>