

Rat Tetrahydrobiopterin ELISA Kit | BH4 elisa kit

Rat BH4 (Tetrahydrobiopterin) ELISA Kit

CATALOG #
AAA22049

REACTIVITY
Rat

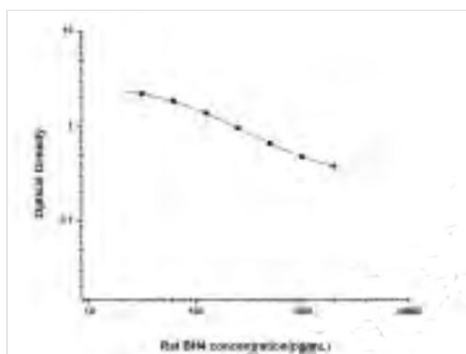
PRODUCT SYNONYMS

Tetrahydrobiopterin; Rat BH4 (Tetrahydrobiopterin) ELISA Kit; BH4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This kit recognizes Rat BH4 in samples. No significant cross-reactivity or interference between Rat BH4 and analogues was observed
Assay Type	Quantitative Competitive
Samples	Serum, plasma and other biological fluids
Detection Range	31.25-2000 pg/mL
Sensitivity	18.75 pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Rat BH4 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Rat BH4 were tested on 3 different plates, 20 replicates in each plate, respectively.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BH4 elisa kit	Principle of the Assay: This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Rat BH4. During the reaction, Rat BH4 in samples or Standard competes with a fixed amount of Rat BH4 on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Rat BH4. Excess conjugate and unbound sample or standard are washed from the plate, and Avidin conjugated to Horseradish Peroxidase (HRP) are added to each microplate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color change is measured spectrophotometrically at a wavelength of 450 ± 2 nm. The concentration of Rat BH4 in the samples is then determined by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Rat BH4 concentrations in serum, plasma and other biological fluids.
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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/bh4-rat-elisa-kits/tetrahydrobiopterin/22049>