

General Biotin ELISA Kit

Biotin ELISA Kit

CATALOG #
AAA27611

REACTIVITY
General

PRODUCT SYNONYMS

Biotin; Biotin ELISA Kit; Biotin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	General
Specificity	This assay has high sensitivity and excellent specificity for detection of Biotin. No significant cross-reactivity or interference between Biotin and analogues was observed.
Assay Type	Competitive
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	100-2000pg/ml
Sensitivity	25pg/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a Biotin ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain standard curve as per experiment by themselves. (N/A/not applicable)

X	ng/ml	0	25	50	100	200	400	800	1600
Y	OD450	2.287	1.491	1.105	0.78	0.552	0.326	0.201	0.137

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Biotin elisa kit

Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with target. During the reaction, target in the sample or standard competes with a fixed amount of target on the solid phase supporter for sites on the HRP-detection reagent specific to target. Excess conjugate and unbound sample or standard are washed from the plate. Then TMB substrate solution is added to each well. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/general-elisa-kits/biotin/27611>