

Rat Biotinidase (BTD) ELISA Kit | BTD elisa kit

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CATALOG #
AAA246514

REACTIVITY
Rat

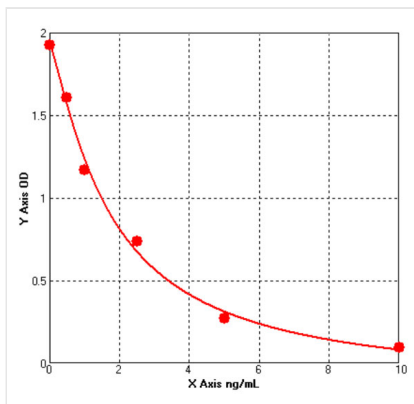
PRODUCT SYNONYMS

Biotinidase (BTD); Rat Biotinidase (BTD) ELISA Kit; BTD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of BTD. No significant cross-reactivity or interference between BTD and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between BTD and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for BTDiselisa kit	Principle of the Assay: BTDisELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-BTD antibody and an BTD-HRP conjugate. The assay sample and buffer are incubated together with BTD-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the BTD concentration since BTD from samples and BTD-HRP conjugate compete for the anti-BTD antibody binding site. Since the number of sites is limited, as more sites are occupied by BTD from the sample, fewer sites are left to bind BTD-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The BTD concentration in each sample is interpolated from this standard curve. Intended Uses: This BTD ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat BTD. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	468824
NCBI GeneID	686
Molecular Weight	61,330 Da
NCBI Official Full Name	biotinidase
NCBI Official Synonym Full Names	biotinidase
NCBI Official Symbol	BTD
NCBI Protein Information	biotinidase; biotinase
UniProt Protein Name	Biotinidase
UniProt Gene Name	BTD
UniProt Synonym Gene Names	Biotinase
UniProt Entry Name	BTD_HUMAN

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.