

Mouse Endotoxin ELISA Kit | EDT elisa kit

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CATALOG #
AAA16128

REACTIVITY
Mouse

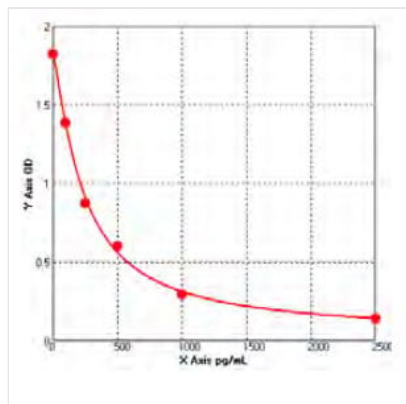
PRODUCT SYNONYMS

Endotoxin; Mouse Endotoxin ELISA Kit; EDT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of EDT. No significant cross-reactivity or interference between EDT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between EDT 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for EDT elisa kit	Principle of the Assay: EDT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-EDT antibody and an EDT-HRP conjugate. The assay sample and buffer are incubated together with EDT-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 EDT concentration since EDT from samples and EDT-HRP conjugate compete for the anti-EDT antibody binding site. Since the number of sites is limited, as more sites are occupied by EDT from the sample, fewer sites are left to bind EDT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The EDT concentration in each sample is interpolated from this standard curve. Intended Uses: This EDT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse EDT. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for EDT elisa kit	Microbiology
References	The Circadian Clock Mutation Promotes Intestinal Dysbiosis . Voigt, R. M., Summa, K. C., Forsyth, C. B., Green, S. J., Engen, P., Naqib, A., Vitaterna, M. H., Turek, F. W. and Keshavarzian, A. (2016)

NCBI AND UNIPROT INFORMATION

NCBI GI #	159024156
Molecular Weight	130,752 Da
NCBI Official Full Name	endotoxin
UniProt Protein Name	Endotoxin
UniProt Gene Name	cry1Ab
UniProt Entry Name	A8WCF4_BACTU

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/edt-mouse-elisa-kits/endotoxin/16128>