

Human Cotinine ELISA Kit | Cotinine elisa kit

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CATALOG #
AAA16009

REACTIVITY
Human

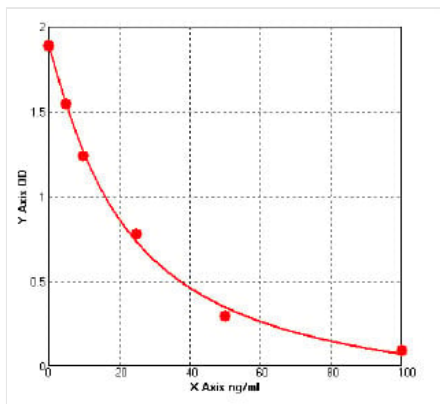
PRODUCT SYNONYMS

Cotinine; Human Cotinine ELISA Kit; Cotinine elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Cotinine elisa kit	Principle of the Assay: COTN ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-COTN antibody and an COTN-HRP conjugate. The assay sample and buffer are incubated together with COTN-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 COTN concentration since COTN from samples and COTN-HRP conjugate compete for the anti-COTN antibody binding site. Since the number of sites is limited, as more sites are occupied by COTN from the sample, fewer sites are left to bind COTN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The COTN concentration in each sample is interpolated from this standard curve. Intended Uses: This COTN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human COTN. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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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/human-elisa-kits/cotinine/16009>