

Human Free choline ELISA Kit

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CATALOG #
AAA247646

REACTIVITY
Human

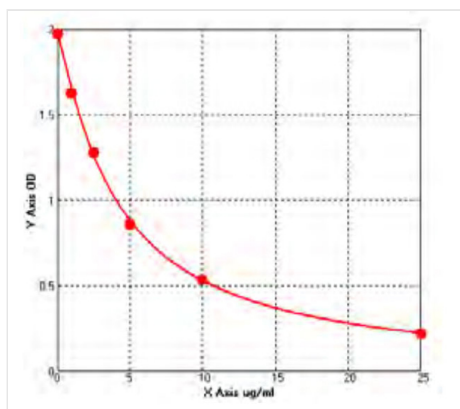
PRODUCT SYNONYMS

Free choline; Human Free choline ELISA Kit; Free choline elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Free choline. No significant cross-reactivity or interference between Free choline and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Free choline 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 ug/mL
Intra-Assay	CV<10%
Inter-Assay	CV<15%
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/free-choline/247646>