

Human Carbohydrate deficient transferrin ELISA Kit | CDT elisa kit

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CATALOG #
AAA86081

REACTIVITY
Human

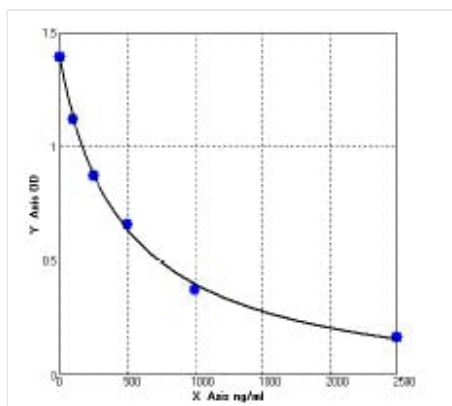
PRODUCT SYNONYMS

Carbohydrate deficient transferrin; Human Carbohydrate deficient transferrin ELISA Kit; CDT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of CDT. No significant cross-reactivity or interference between CDT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CDT and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 CDT elisa kit	Intended Uses: This CDT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human CDT. This ELISA kit for research use only! Principle of the Assay: CDT ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CDT antibody and an CDT-HRP conjugate. The assay sample and buffer are incubated together with CDT-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 CDT concentration since CDT from samples and CDT-HRP conjugate compete for the anti-CDT antibody binding site. Since the number of sites is limited, as more sites are occupied by CDT from the sample, fewer sites are left to bind CDT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CDT concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CDT elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	1087055
NCBI Official Full Name	CDT=cytolethal distending toxin C cdtC product

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/cdt-human-elisa-kits/carbohydrate-deficient-transferrin/86081>