

Human Holo TC (Holotranscobalamin) ELISA Kit | Holo TC elisa kit

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CATALOG #
AAA250791

REACTIVITY
Human

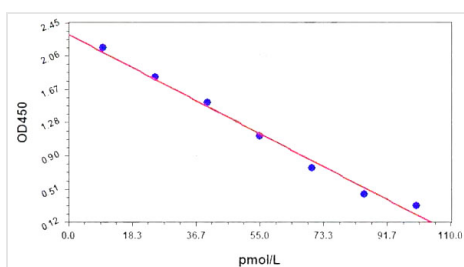
PRODUCT SYNONYMS

Holo TC (Holotranscobalamin); Human Holo TC (Holotranscobalamin) ELISA Kit; Holo TC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize Holo TC, no obvious cross reaction with other analogues
Assay Type	Competitive
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	10-100pmol/L
Sensitivity	0.938pmol/L
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Holo TC elisa kit	Background: Newly absorbed B12 bound to transcobalamin (holotranscobalamin or holoTC) travels through the portal circulation to the liver and to the rest of the bodily organs where it is taken up by receptor-mediated endocytosis via the CD320 receptor protein. Because the CD320 receptor is expressed in essentially all tissues, holoTC is sometimes referred to as "active-B12. " Principle of the Assay: This kit was based on Competitive-ELISA detection method. The microtiter plate provided in this kit has been pre-coated with Holo TC. During the reaction, Holo TC in the sample or standard competes with a fixed amount of Holo TC on the solid phase supporter for sites on the Biotin-detection reagent specific to Holo TC. Excess conjugate and unbound sample or standard are washed from the plate, and HRP-Streptavidin (SABC) is added to each microplate well and incubated. Then TMB substrate solution is added to each well. The enzymesubstrate reaction is terminated by the addition of a acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm. The concentration of Holo TC in the samples is then determined by comparing the OD of the samples to the standard curve. The concentration of the target substance was inversely proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

UniProt Accession #	P20061; P20062
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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/holo-tc-holotranscobalamin/250791>