

Human Carboxyhemoglobin ELISA Kit | HbCO elisa kit

Human Carboxyhemoglobin ELISA Kit

CATALOG #
AAA16311

REACTIVITY
Human

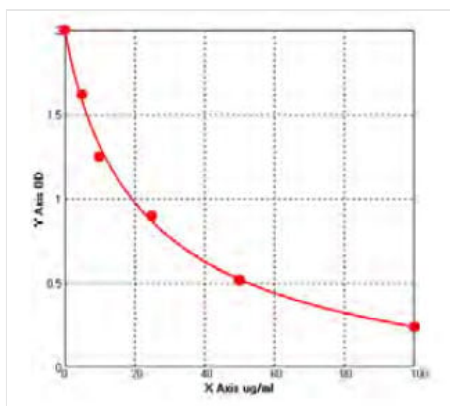
PRODUCT SYNONYMS

Carboxyhemoglobin; Human Carboxyhemoglobin ELISA Kit; HbCO elisa kit

PRODUCT SPECIFICATIONS

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

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	3212438
NCBI Official Full Name	Chain B, R-State Human Carbonmonoxyhemoglobin Alpha-A53s

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/hbco-human-elisa-kits/carboxyhemoglobin/16311>