

Human Hemoglobin H ELISA Kit | HbH elisa kit

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CATALOG #
AAA85850

REACTIVITY
Human

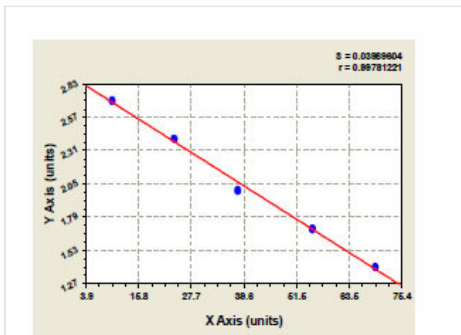
PRODUCT SYNONYMS

Hemoglobin H; Human Hemoglobin H ELISA Kit; HbH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100 ?g/mL
Sensitivity	1.0 ?g/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HbH elisa kit

Intended Uses: This HbH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HbH. This ELISA kit for research use only!

Principle of the Assay: HbH ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-HbH antibody and an HbH-HRP conjugate. The assay sample and buffer are incubated together with HbH-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 HbH concentration since HbH from samples and HbH-HRP conjugate compete for the anti-HbH antibody binding site. Since the number of sites is limited, as more sites are occupied by HbH from the sample, fewer sites are left to bind HbH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HbH concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	13958153
NCBI GeneID	3039
Molecular Weight	15,258 Da
NCBI Official Full Name	hemoglobin alpha 2, partial
NCBI Official Synonym Full Names	hemoglobin, alpha 1
NCBI Official Symbol	HBA1
NCBI Official Synonym Symbols	HBH; HBA-T3
NCBI Protein Information	hemoglobin subunit alpha; alpha-globin; delta globin; alpha-1 globin; alpha-1-globin; alpha one globin; alpha-2 globin chain; hemoglobin alpha chain; hemoglobin alpha-1 chain; hemoglobin alpha 1 globin chain
UniProt Protein Name	Hemoglobin subunit alpha
UniProt Gene Name	HBA1
UniProt Entry Name	HBA_HUMAN

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/hbh-human-elisa-kits/hemoglobin-h/85850>