

Human Hemoglobin A ELISA Kit | HbA elisa kit

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CATALOG #
AAA86108

REACTIVITY
Human

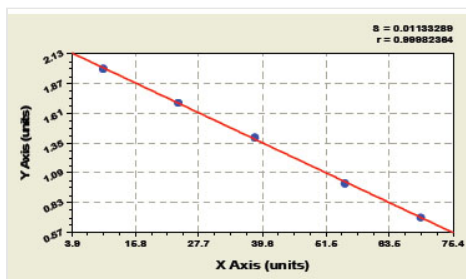
PRODUCT SYNONYMS

Hemoglobin A; Human Hemoglobin A ELISA Kit; HbA 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
Intended Uses	This HBA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HBA. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HbA elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	388240094
UniProt Accession #	I2G907
Molecular Weight	17,668 Da
NCBI Official Full Name	hemoglobin A
UniProt Protein Name	Hemoglobin A
UniProt Gene Name	HbA
UniProt Entry Name	I2G907_9HEMI

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/hba-human-elisa-kits/hemoglobin-a/86108>