

Human Glycated hemoglobin A1c ELISA Kit | GHbA1c elisa kit

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CATALOG #
AAA16435

REACTIVITY
Human

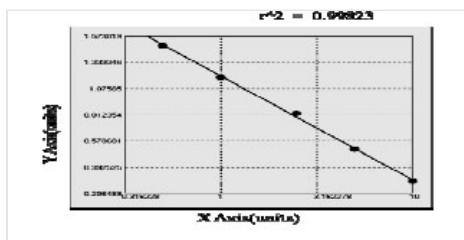
PRODUCT SYNONYMS

Glycated hemoglobin A1c; Human Glycated hemoglobin A1c ELISA Kit; GHbA1c elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GHbA1c elisa kit

Intended Uses: This HbA1c ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human HbA1c.

Principle of the Assay: HbA1c ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HbA1c antibody and an HbA1c-HRP conjugate. The assay sample and buffer are incubated together with HbA1c-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 HbA1c concentration since HbA1c from samples and HbA1c-HRP conjugate compete for the anti-HbA1c antibody binding site. Since the number of sites is limited, as more sites are occupied by HbA1c from the sample, fewer sites are left to bind HbA1c-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HbA1c concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GHbA1c elisa kit

Cardiovascular

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://www.aaabiotech.com/ghba1c-human-elisa-kits/glycated-hemoglobin-a1c/16435>