

Human Glycated Hemoglobin A1c (HbA1c) CLIA Kit | HbA1c clia kit

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CATALOG #
AAA129813

REACTIVITY
Human

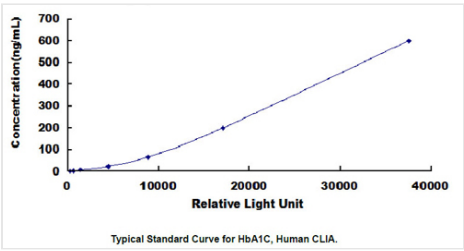
PRODUCT SYNONYMS

Glycated Hemoglobin A1c (HbA1c); Human Glycated Hemoglobin A1c (HbA1c) CLIA Kit; Glycosylated Hemoglobin; Hemoglobin A1c; Hb1c; HbA1c; HbA1c clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Glycated Hemoglobin A1c (HbA1c). No significant cross-reactivity or interference between Glycated Hemoglobin A1c (HbA1c) and analogues was observed.
Samples	Plasma
Detection Range	0.82-600ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.35ng/mL.
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Glycated Hemoglobin A1c (HbA1c) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Glycated Hemoglobin A1c (HbA1c) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Assay Procedure Summary	1. Prepare all reagents, samples and standards; 2. Add 100uL standard or sample to each well. Incubate 2 hours at 37 degree C; 3. Aspirate and add 100uL prepared Detection Reagent A. Incubate 1 hour at 37 degree C; 4. Aspirate and wash 3 times; 5. Add 100uL prepared Detection Reagent B. Incubate 30 minutes at 37 degree C; 6. Aspirate and wash 5 times; 7. Add 100uL Substrate Solution. Incubate 10 minutes at 37 degree C; 8. Read RLU value immediately.
Preparation and Storage	For unopened kit: All the reagents should be kept according to the labels on vials. The Standard, Detection Reagent A, Detection Reagent B and the 96-well strip plate should be stored at -20 degree C upon receipt while the others should be at 4 degree C. For opened kit: When the kit is opened, the remaining reagents still need to be stored according to the above storage condition. Besides, please return the unused wells to the foil pouch containing the desiccant pack, and reseal along entire edge of zip-seal. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HbA1c
clia kit

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated secondary antibody. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Glycated Hemoglobin A1c (HbA1c) level in the sample or standard.

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-clia-kits/glycated-hemoglobin-a1c-hba1c/129813>