

Human Hemoglobin Beta (HBb) ELISA Kit | HBb elisa kit

Human Hemoglobin Beta (HBb) ELISA Kit

CATALOG #
AAA139208

REACTIVITY
Human

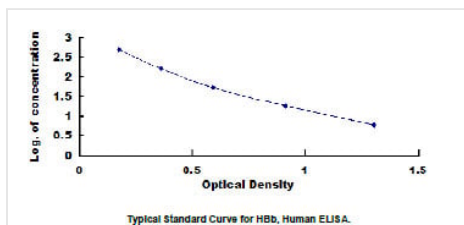
PRODUCT SYNONYMS

Hemoglobin Beta (HBb); Human Hemoglobin Beta (HBb) ELISA Kit; HB-B; HBD; CD113t-C; Beta Globin; Spinorphin; HBb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HbA1c. No significant cross-reactivity or interference between HbA1c and analogues was observed.
Sequence Length	30
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and Erythrocyte lysates
Detection Range	6.17-500ug/mL
Sensitivity	2.81ug/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HbA1c were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level HbA1c were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	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 HBb elisa kit	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of HbA1c in human serum, plasma and erythrocyte lysates. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to HbA1c has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled HbA1c and unlabeled HbA1c (Standards or samples) with the pre-coated antibody specific to HbA1c. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of HbA1c in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of HbA1c in the sample.
Product Categories/Family for HBb elisa kit	Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	410178713
NCBI GeneID	3043
Molecular Weight	3,138 Da
NCBI Official Full Name	hemoglobin beta, partial
NCBI Official Synonym Full Names	hemoglobin, beta
NCBI Official Symbol	HBB
NCBI Official Synonym Symbols	CD113t-C; beta-globin
NCBI Protein Information	hemoglobin subunit beta
UniProt Protein Name	Beta-globin
UniProt Gene Name	HBB
UniProt Entry Name	Q7Z2K5_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/hemoglobin-beta-hbb/139208>