

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

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CATALOG #
AAA182359

REACTIVITY
Human

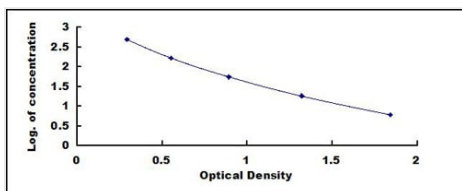
PRODUCT SYNONYMS

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 Hemoglobin Beta (HBb). No significant cross-reactivity or interference between Hemoglobin Beta (HBb) and analogues was observed.
Sequence Length	30
Assay Type	Competitive Inhibition
Samples	Serum, Plasma and Erythrocyte Lysates
Detection Range	6.17-500ug/mL
Sensitivity	< 2.94ug/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Hemoglobin Beta (HBb) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Hemoglobin Beta (HBb) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
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	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Hemoglobin Beta (HBb) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Hemoglobin Beta (HBb) and unlabeled Hemoglobin Beta (HBb) (Standards or samples) with the pre-coated antibody specific to Hemoglobin Beta (HBb). 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 Hemoglobin Beta (HBb) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Hemoglobin Beta (HBb) in the sample.
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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 subunit 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

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-elisa-kits/hemoglobin-beta-hbb/182359>