

Human Hemoglobin Delta (HBd) ELISA Kit | HBd elisa kit

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CATALOG #
AAA182357

REACTIVITY
Human

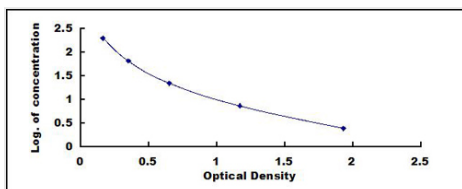
PRODUCT SYNONYMS

Hemoglobin Delta (HBd); Human Hemoglobin Delta (HBd) ELISA Kit; Delta-globin; HBd elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Hemoglobin Delta (HBd). No significant cross-reactivity or interference between Hemoglobin Delta (HBd) and analogues was observed.
Sequence Length	147
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Erythrocyte Lysates and Other Biological Fluids
Detection Range	2.47-200ug/mL
Sensitivity	< 0.91ug/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 Delta (HBd) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Hemoglobin Delta (HBd) 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 HBd elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Hemoglobin Delta (HBd) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Hemoglobin Delta (HBd) and unlabeled Hemoglobin Delta (HBd) (Standards or samples) with the pre-coated antibody specific to Hemoglobin Delta (HBd). 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 Delta (HBd) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Hemoglobin Delta (HBd) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504351
NCBI GeneID	3045
NCBI Accession #	NP_000510.1
NCBI GenBank Nucleotide #	NM_000519.3
UniProt Accession #	P02042; Q3Y5H3; Q8WXT7
Molecular Weight	16,055 Da
NCBI Official Full Name	hemoglobin subunit delta
NCBI Official Synonym Full Names	hemoglobin subunit delta
NCBI Official Symbol	HBD
NCBI Protein Information	hemoglobin subunit delta
UniProt Protein Name	Hemoglobin subunit delta
UniProt Gene Name	HBD

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-delta-hbd/182357>