

Human Hemoglobin Delta ELISA Kit | HBd elisa kit

Human Hemoglobin Delta (HBd) ELISA Kit

CATALOG #
AAA144575

REACTIVITY
Human

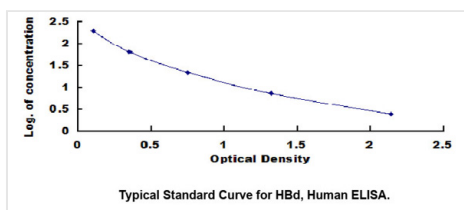
PRODUCT SYNONYMS

Hemoglobin Delta; 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 HBd. No significant cross-reactivity or interference between HBd and analogues was observed.
Sequence Length	147
Assay Type	Quantitative Competitive
Samples	Human serum, plasma, erythrocyte lysates and other biological fluids
Detection Range	2.47-200ug/mL
Sensitivity	< 0.95ug/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HBd 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 HBd 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 HBd elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to HBd has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled HBd and unlabeled HBd (Standards or samples) with the pre-coated antibody specific to 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 HBd in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of HBd in the sample. Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of HBd in human serum, plasma, erythrocyte lysates and other biological fluids.
Product Categories/Family for HBd elisa kit	Hematology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504351
NCBI GeneID	3045
NCBI Accession #	NP_000510.1
NCBI GenBank Nucleotide #	NM_000519.3
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
UniProt Entry Name	HBD_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.