

Human hemoglobin, delta ELISA Kit | HBD elisa kit

Human Hemoglobin subunit delta, HBD ELISA Kit

CATALOG #
AAA113043

REACTIVITY
Human

PRODUCT SYNONYMS

hemoglobin; delta; Human Hemoglobin subunit delta; HBD ELISA Kit; Human Hemoglobin subunit delta (HBD) ELISA kit; delta globin; delta-globin chain; HBD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human HBD. No significant cross-reactivity or interference between human HBD and analogues was observed.
Sequence Length	147
Samples	Serum, plasma, tissue homogenates
Assay Type	Competitive
Detection Range	0.469 ng/ml-30 ng/ml..
Sensitivity	The minimum detectable dose of human HBD is typically less than 0.117ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest human HBD concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

ADDITIONAL INFORMATION

Related Product Information for HBD elisa kit

Principle of the assay: This assay employs the direct competitive inhibition enzyme immunoassay technique. Antibody specific for HBD has been pre-coated onto a microplate. Standards and samples are pipetted into the wells with biotin-conjugated HBD. A competitive inhibition reaction is launched between HBD (Standards or samples) and biotin-conjugated HBD with the pre-coated HBD antibody. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound reagent, a substrate solution is added to the wells and color develops in opposite to the amount of HBD bound in the initial step. The color development is stopped and the intensity of the color is measured.

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, delta
NCBI Official Symbol	HBD
NCBI Protein Information	hemoglobin subunit delta; delta globin; delta-globin chain; hemoglobin delta chain
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.

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Online datasheet: <https://www.aaabiotech.com/hbd-human-elisa-kits/hemoglobin-delta/113043>