

Human Hemoglobin subunit zeta (HBZ) ELISA Kit | HBZ elisa kit

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CATALOG #
AAA190307

REACTIVITY
Human

PRODUCT SYNONYMS

Hemoglobin subunit zeta (HBZ); Human Hemoglobin subunit zeta (HBZ) ELISA Kit; HBZ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human HBZ. No significant cross-reactivity or interference between Human HBZ and analogues was observed.
Sequence Length	142
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.156 ug/mL - 10 ug/mL
Sensitivity	0.1 ug/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for HBZ elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate HBZ in Human serum, plasma. An antibody specific for HBZ has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any HBZ present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for HBZ is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of HBZ bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Human Hemoglobin subunit zeta (HBZ) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885397
NCBI GeneID	3050
NCBI Accession #	NP_005323.1
NCBI GenBank Nucleotide #	NM_005332.2
UniProt Accession #	P02008; Q6IBF6

Molecular Weight	15,637 Da
NCBI Official Full Name	hemoglobin subunit zeta
NCBI Official Synonym Full Names	hemoglobin subunit zeta
NCBI Official Symbol	HBZ
NCBI Official Synonym Symbols	HBZ1; HBZ-T1
NCBI Protein Information	hemoglobin subunit zeta
UniProt Protein Name	Hemoglobin subunit zeta
UniProt Gene Name	HBZ
UniProt Synonym Gene Names	HBZ2

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/human-elisa-kits/hemoglobin-subunit-zeta-hbz/190307>