

Human hemoglobin, beta ELISA Kit | HBB elisa kit

Human beta-subunits of hemoglobin, HB-beta ELISA Kit

CATALOG #
AAA79816

REACTIVITY
Human

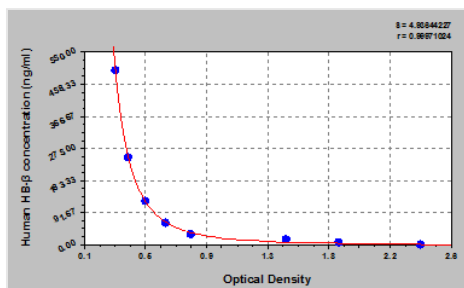
PRODUCT SYNONYMS

hemoglobin; beta; Human beta-subunits of hemoglobin; HB-beta ELISA Kit; CD113t-C; beta-globin; beta globin; beta globin chain; hemoglobin beta chain; HBB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human HB-beta. No significant cross-reactivity or interference between human HB-beta and analogues was observed.
Sequence Length	147
Samples	Serum, plasma, lysate for RBC.
Assay Type	Competitive
Detection Range	0.12 ng/ml-500 ng/ml.
Sensitivity	0.12 ng/ml.
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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HBB elisa kit	Principle of the Assay: This assay employs the direct competitive inhibition enzyme immunoassay technique. Antibody specific for HB-beta has been pre-coated onto a microplate. Standards and samples are pipetted into the wells with biotin-conjugated HB-beta. A competitive inhibition reaction is launched between HB-beta (Standards or samples) and biotin-conjugated HB-beta with the pre-coated HB-beta 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 HB-beta bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504349
NCBI GeneID	3043
NCBI Accession #	NP_000509.1
NCBI GenBank Nucleotide #	NM_000518.4
UniProt Accession #	P68871; P02023; Q13852; Q14481; Q14510; Q45KT0; Q549N7; Q6FI08; Q6R7N2; Q8IZI1; A4GX73; B2ZUE0
Molecular Weight	15,998 Da
NCBI Official Full Name	hemoglobin subunit beta
NCBI Official Synonym Full Names	hemoglobin, beta
NCBI Official Symbol	HBB
NCBI Official Synonym Symbols	CD113t-C; beta-globin
NCBI Protein Information	hemoglobin subunit beta; beta globin chain; hemoglobin beta chain
UniProt Protein Name	Hemoglobin subunit beta
UniProt Gene Name	HBB
UniProt Entry Name	HBB_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.