

Human gamma HB (Hemoglobin gamma) ELISA Kit | gammaHB elisa kit

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CATALOG #
AAA249678

REACTIVITY
Human

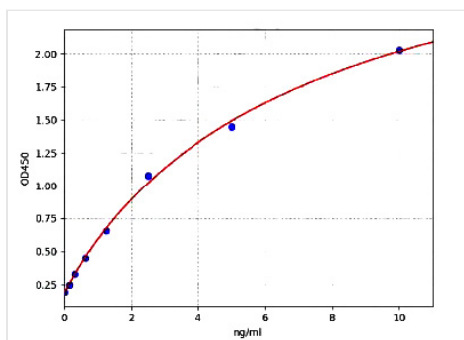
PRODUCT SYNONYMS

gamma HB (Hemoglobin gamma); Human gamma HB (Hemoglobin gamma) ELISA Kit; Hemoglobin subunit gamma-1; Gamma-1-globin; Hb F Agamma; Hemoglobin gamma-1 chain; Hemoglobin gamma-A chain; PRO2979; HBG1; gammaHB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of gamma HB. No significant cross-reactivity or interference between gamma HB and analogues was observed.
Assay Type	Sandwich ELISA, Double Antibody
Samples	Red Blood Cell Lysis, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for gammaHB elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96-well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	28302131
NCBI GeneID	3047
NCBI Accession #	NP_000550.2
NCBI GenBank Nucleotide #	NM_000559.2
UniProt Accession #	P69891; P02096; P62027; Q549G1; Q8TDA1; Q96FH7
Molecular Weight	16,140 Da
NCBI Official Full Name	hemoglobin subunit gamma-1
NCBI Official Synonym Full Names	hemoglobin, gamma A
NCBI Official Symbol	HBG1
NCBI Official Synonym Symbols	HBGA; HBGR; HBG-T2; HSGGL1; PRO2979
NCBI Protein Information	hemoglobin subunit gamma-1; A-gamma globin; gamma A hemoglobin; gamma-1-globin; hb F Agamma; hemoglobin gamma-1 chain; hemoglobin gamma-a chain; hemoglobin, gamma, regulator of
UniProt Protein Name	Hemoglobin subunit gamma-1
UniProt Gene Name	HBG1
UniProt Entry Name	HBG1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/gammahb-human-elisa-kits/gamma-hb-hemoglobin-gamma/249678>