

Human Hemoglobin Gamma 2 (HBg2) ELISA Kit | HBg2 elisa kit

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CATALOG #
AAA66718

REACTIVITY
Human

PRODUCT SYNONYMS

Hemoglobin Gamma 2 (HBg2); Human Hemoglobin Gamma 2 (HBg2) ELISA Kit; HBg2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of HBg2. No significant cross-reactivity or interference between HBg2 and analogues was observed.
Sequence Length	147
Samples	Serum, plasma, erythrocyte lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	312.5-20000ng/mL
Sensitivity	95.7ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level HBg2 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 HBg2 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

ADDITIONAL INFORMATION

Related Product Information for HBg2 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of HBg2 in human serum, plasma, erythrocyte lysates and other biological fluids..

Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HBg2. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to HBg2. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain HBg2, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of HBg2 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6715607
NCBI GeneID	3048
NCBI Accession #	NP_000175.1
NCBI GenBank Nucleotide #	NM_000184.2

UniProt Accession #	P69892; P02096; P62027; Q14491; Q68NH9; Q96FH6; Q96FH7; A8MZE0
Molecular Weight	16,126 Da
NCBI Official Full Name	hemoglobin subunit gamma-2
NCBI Official Synonym Full Names	hemoglobin subunit gamma 2
NCBI Official Symbol	HBG2
NCBI Official Synonym Symbols	TNCY; HBG-T1
NCBI Protein Information	hemoglobin subunit gamma-2
UniProt Protein Name	Hemoglobin subunit gamma-2
UniProt Gene Name	HBG2

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-gamma-2-hbg2/66718>