

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

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CATALOG #
AAA135739

REACTIVITY
Human

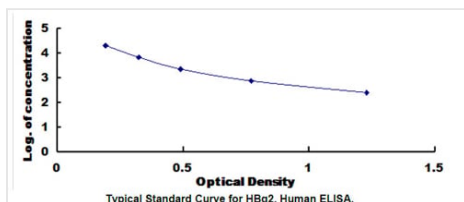
PRODUCT SYNONYMS

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.
Samples	Human serum, plasma, erythrocyte lysates
Assay Type	Competitive
Detection Range	246.9-20,000ng/mL
Sensitivity	The minimum detectable dose of HBg2 is typically less than 95.7ng/mL. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined by subtracting two standard deviations to the mean optical density value of twenty zero standard replicates and calculating the corresponding concentration.
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%
Intended Uses	The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of HBg2 in human serum, plasma, erythrocyte lysates.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HBg2 elisa kit	Principle of the assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to HBg2 has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled HBg2 and unlabeled HBg2 (Standards or samples) with the pre-coated antibody specific to HBg2. After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of HBg2 in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of HBg2 in the sample.
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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://stage.aaabiotech.com/human-elisa-kits/hemoglobin-gamma-2-hbg2/135739>