

Rabbit Hemoglobin (HB) ELISA Kit | HB elisa kit

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CATALOG #
AAA137239

REACTIVITY
Rabbit

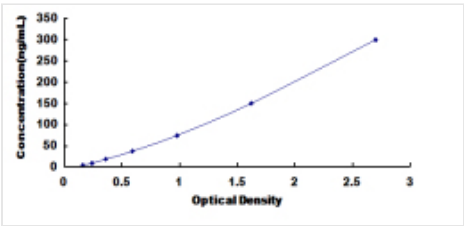
PRODUCT SYNONYMS

Hemoglobin (HB); Rabbit Hemoglobin (HB) ELISA Kit; Hgb; Haemoglobin; Heterotetramer(alpha beta)2; Heterotetramer(ab)2; HB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Specificity	This assay has high sensitivity and excellent specificity for detection of Hemoglobin (HB). No significant cross-reactivity or interference between Hemoglobin (HB) and analogues was observed.
Sequence Length	165
Samples	Serum, plasma, erythrocyte lysates
Assay Type	Sandwich
Detection Range	4.69-300ng/mL
Sensitivity	Typically less than 2.1ng/mL.
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Hemoglobin (HB) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Hemoglobin (HB) were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100 Intra-Assay: CV<10% Inter-Assay: CV<12%
Assay Procedure Summary	1. Prepare all reagents, samples and standards; 2. Add 100uL standard or sample to each well. Incubate 2 hours at 37 degree C; 3. Aspirate and add 100uL prepared Detection Reagent A. Incubate 1 hour at 37 degree C; 4. Aspirate and wash 3 times; 5. Add 100uL prepared Detection Reagent B. Incubate 30 minutes at 37 degree C; 6. Aspirate and wash 5 times; 7. Add 90uL Substrate Solution. Incubate 15-25 minutes at 37 degree C; 8. Add 50uL Stop Solution. Read at 450nm immediately.
Preparation and Storage	For unopened kit: All the reagents should be kept according to the labels on vials. The Standard, Detection Reagent A, Detection Reagent B and the 96-well strip plate should be stored at -20 degree C upon receipt while the others should be at 4 degree C. For opened kit: When the kit is opened, the remaining reagents still need to be stored according to the above storage condition. Besides, please return the unused wells to the foil pouch containing the desiccant pack, and reseal along entire edge of zip-seal. 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 HB elisa kit	Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Hemoglobin (HB). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Hemoglobin (HB). 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 Hemoglobin (HB), 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 Hemoglobin (HB) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	162462053
NCBI GeneID	541815
NCBI Accession #	NP_001104966.1
NCBI GenBank Nucleotide #	NM_001111496.1
NCBI Official Full Name	hemoglobin
NCBI Official Symbol	LOC541815
NCBI Protein Information	hemoglobin

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/rabbit-elisa-kits/hemoglobin-hb/137239>