

Goat Hemoglobin (HB) ELISA Kit | HB elisa kit

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CATALOG #
AAA184679

REACTIVITY
Goat

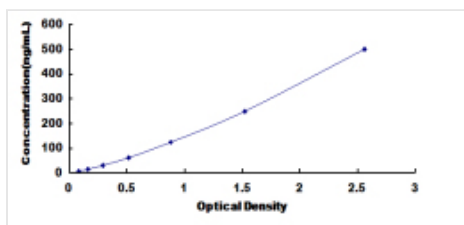
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Goat
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
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Erythrocyte Lysates
Detection Range	7.81-500ng/mL
Sensitivity	< 2.7ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
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%
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 HB elisa kit	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_001111496.2
UniProt Accession #	Q9FY42
Molecular Weight	18,279 Da
NCBI Official Full Name	non-symbiotic hemoglobin
NCBI Official Symbol	LOC541815
NCBI Official Synonym Symbols	Hb; Hbm; GLB1; GRMZM2G067402
NCBI Protein Information	non-symbiotic hemoglobin
UniProt Protein Name	Non-symbiotic hemoglobin
UniProt Gene Name	HB
UniProt Synonym Gene Names	GLB1

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/goat-elisa-kits/hemoglobin-hb/184679>