

Sheep Hemoglobin (HB) ELISA Kit | HB elisa kit

Hemoglobin (HB) ELISA Kit

CATALOG # AAA189254	REACTIVITY Sheep	APPLICATIONS ELISA
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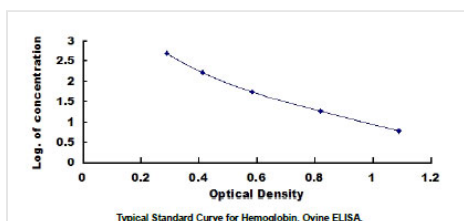
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of hemoglobin. No significant cross-reactivity or interference between hemoglobin and analogues was observed.
Samples	Serum, plasma, erythrocyte lysates and other biological fluids
Assay Type	Quantitative Competitive
Detection Range	6.17-500ug/mL
Sensitivity	< 2.63ug/mL
Applicable Applications for HB elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level hemoglobin 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 hemoglobin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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	Intended Uses: The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of hemoglobin in ovine serum, plasma, erythrocyte lysates and other biological fluids. Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to hemoglobin has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled hemoglobin and unlabeled hemoglobin (Standards or samples) with the pre-coated antibody specific to hemoglobin. 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 hemoglobin in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of hemoglobin 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/sheep-elisa-kits/hemoglobin-hb/189254>