

Sheep Hemoglobin H ELISA Kit | HbH elisa kit

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CATALOG #
AAA93962

REACTIVITY
Sheep

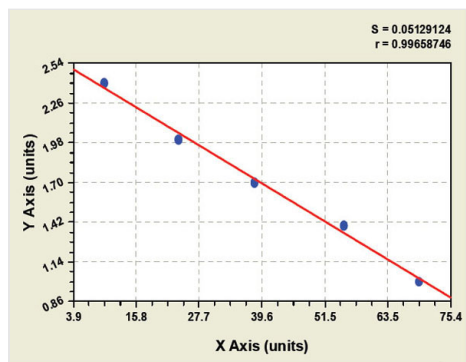
PRODUCT SYNONYMS

Hemoglobin H; Sheep Hemoglobin H ELISA Kit; HbH elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100?g/mL
Sensitivity	1.0?g/mL
Intended Uses	This HbH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep HbH. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HbH elisa kit	Principle of the Assay: HbH ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HbH antibody and an HbH-HRP conjugate. The assay sample and buffer are incubated together with HbH-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the HbH concentration since HbH from samples and HbH-HRP conjugate compete for the anti-HbH antibody binding site. Since the number of sites is limited, as more sites are occupied by HbH from the sample, fewer sites are left to bind HbH-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HbH concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13958153
NCBI GeneID	3039
Molecular Weight	15,258 Da
NCBI Official Full Name	hemoglobin alpha 2, partial
NCBI Official Synonym Full Names	hemoglobin, alpha 1
NCBI Official Symbol	HBA1
NCBI Official Synonym Symbols	HBH; HBA-T3
NCBI Protein Information	hemoglobin subunit alpha; alpha-globin; delta globin; alpha-1 globin; alpha-1-globin; alpha one globin; alpha-2 globin chain; hemoglobin alpha chain; hemoglobin alpha-1 chain; hemoglobin alpha 1 globin chain
UniProt Protein Name	Hemoglobin subunit alpha
UniProt Gene Name	HBA1
UniProt Entry Name	HBA_HUMAN

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.