

Bovine Hemoglobin A ELISA Kit | HbA elisa kit

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CATALOG #
AAA96965

REACTIVITY
Bovine

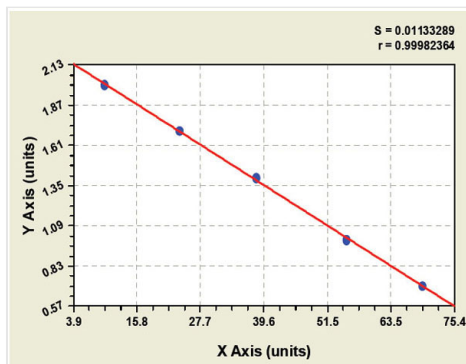
PRODUCT SYNONYMS

Hemoglobin A; Bovine Hemoglobin A ELISA Kit; HbA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
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 HbA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine HbA. 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 HbA elisa kit	Principle of the Assay: HbA ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-HbA antibody and an HbA-HRP conjugate. The assay sample and buffer are incubated together with HbA-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 HbA concentration since HbA from samples and HbA-HRP conjugate compete for the anti-HbA antibody binding site. Since the number of sites is limited, as more sites are occupied by HbA from the sample, fewer sites are left to bind HbA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The HbA concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	388240094
UniProt Accession #	I2G907
Molecular Weight	17,668 Da
NCBI Official Full Name	hemoglobin A
UniProt Protein Name	Hemoglobin A
UniProt Gene Name	HbA
UniProt Entry Name	I2G907_9HEMI

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/hba-bovine-ovine-elisa-kits/hemoglobin-a/96965>