

Rat hemoglobin (Hb) ELISA Kit | Hb elisa kit

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CATALOG #
AAA245114

REACTIVITY
Rat

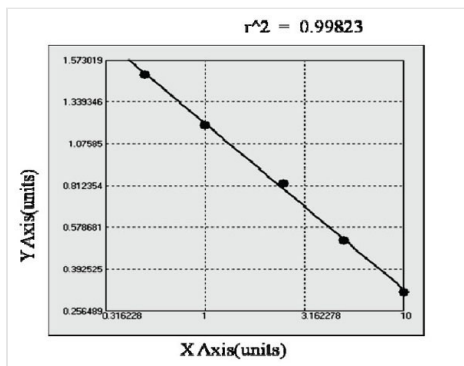
PRODUCT SYNONYMS

hemoglobin (Hb); Rat hemoglobin (Hb) ELISA Kit; Hb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This Hb ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat Hb. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Hb elisa kit

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

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; GRMZM2G067402; non-symbiotic hemoglobin; reversible oxygen binding

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/rat-elisa-kits/hemoglobin-hb/245114>