

Rat Hemoglobin ELISA Kit | RB1909 elisa kit

Rat Hemoglobin ELISA Kit

CATALOG #
AAA76940

REACTIVITY
Rat

PRODUCT SYNONYMS

Hemoglobin; Rat Hemoglobin ELISA Kit; Rat Hemoglobin; RB1909 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Immunoperoxidase Assay for Determination of Hemoglobin in Rat Samples
Assay Type	Sandwich
Intended Uses	The Hemoglobin test kits are a highly sensitive two-site enzyme linked immunoassay (ELISA) for measuring Hemoglobin in biological samples of rats.
Preparation and Storage	Store at 4 degree C.

ADDITIONAL INFORMATION

Related Product Information for RB1909 elisa kit	Principle of the Assay: The principle of the double antibody sandwich ELISA is represented in Figure 1. In this assay the Hemoglobin present in samples reacts with the anti-Hemoglobin antibodies which have been adsorbed to the surface of polystyrene microtitre wells. After the removal of unbound proteins by washing, anti-HM antibodies conjugated with horseradish peroxidase (HRP), are added. These enzyme-labeled antibodies form complexes with the previously bound HM. Following another washing step, the enzyme bound to the immunosorbent is assayed by the addition of a chromogenic substrate, 3,3',5,5'-tetramethylbenzidine (TMB). The quantity of bound enzyme varies directly with the concentration of HM in the sample tested; thus, the absorbance, at 450 nm, is a measure of the concentration of HM in the test sample. The quantity of HM in the test sample can be interpolated from the standard curve constructed from the standards, and corrected for sample dilution. Background: Hemoglobin (HM) is the iron-containing oxygen transport protein in the red blood cells. It picks up oxygen in the lungs and delivers it to the tissues to maintain the viability of cells. Each subunit of hemoglobin is a globular protein with an embedded heme group. Each heme group contains an iron atom and is responsible for the binding of oxygen. Decrease of hemoglobin leads to symptoms of anemia.
Product Categories/Family for RB1909 elisa kit	ELISA Kit

NCBI AND UNIPROT INFORMATION

NCBI GI #	32471656
NCBI GeneID	1795374
NCBI Accession #	NP_864649.1
NCBI GenBank Nucleotide #	NC_005027.1
NCBI Official Full Name	hemoglobin
NCBI Official Symbol	RB1909
NCBI Protein Information	hemoglobin

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://www.aaabiotech.com/rat-elisa-kits/hemoglobin/76940>