

Rat hemoglobin, alpha 1 ELISA Kit | HBA1 elisa kit

Rat Hemoglobin, Hb ELISA Kit

CATALOG #
AAA79556

REACTIVITY
Rat

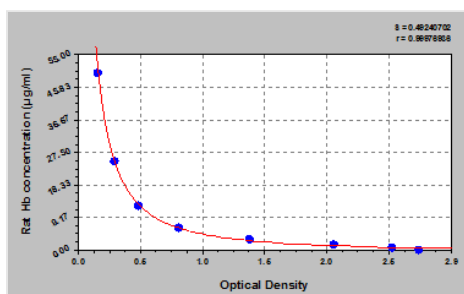
PRODUCT SYNONYMS

hemoglobin; alpha 1; Rat Hemoglobin; Hb ELISA Kit; Rat Hemoglobin (Hb) ELISA Kit; CD31; MGC126895; MGC126897; alpha 1 globin; alpha one globin; alpha-1 globin; alpha-1-globin; hemoglobin alpha 1 globin chain; hemoglobin alpha-1 chain; HBA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat Hb. No significant cross-reactivity or interference between rat Hb and analogues was observed.
Sequence Length	142
Samples	Serum, plasma, Lysate for RBC
Assay Type	Competitive
Detection Range	12.5 ng/ml-800 ng/ml.
Sensitivity	The minimum detectable dose of rat Hb is typically less than 6.25 ng/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest rat Hb concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for HBA1 elisa kit	Principle of the assay: This assay employs the direct competitive inhibition enzyme immunoassay technique. Antibody specific for Hb has been pre-coated onto a microplate. Standards and samples are pipetted into the wells with biotin-conjugated Hb. A competitive inhibition reaction is launched between Hb (Standards or samples) and biotin-conjugated Hb with the pre-coated Hb antibody. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound reagent, a substrate solution is added to the wells and color develops in opposite to the amount of Hb bound in the initial step. The color development is stopped and the intensity of the color is measured.
--	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	60678292
NCBI GeneID	360504
NCBI Accession #	NP_001007723.1
NCBI GenBank Nucleotide #	NM_001007722.1
UniProt Accession #	P01946; P33583; Q63243; Q80XV2; Q91V15
Molecular Weight	15,329 Da
NCBI Official Full Name	hemoglobin, alpha 2
NCBI Official Synonym Full Names	hemoglobin, alpha 2
NCBI Official Symbol	Hba2
NCBI Protein Information	hemoglobin, alpha 2; 2-alpha globin; 2-alpha-1 globin; hemoglobin alpha 2 chain
UniProt Protein Name	Hemoglobin subunit alpha-1/2
UniProt Gene Name	Hba1
UniProt Synonym Gene Names	Hba-a1
UniProt Entry Name	HBA_RAT

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.