

Mouse Histidine-rich glycoprotein ELISA Kit | Hrg elisa kit

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CATALOG #
AAA98640

REACTIVITY
Mouse

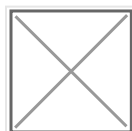
PRODUCT SYNONYMS

Histidine-rich glycoprotein; Mouse Histidine-rich glycoprotein ELISA Kit; Hrg/HRG/HPRG/HRGP/THPH11/Histidine-proline-rich glycoprotein (HPRG); Hrg elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Specifically recognize Hrg, no obvious cross reaction with other analogues
Sequence Length	525
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Hrg elisa kit	Background: The HRG protein sequence has a high proline and histidine content and has many internal repeat sequences. HPRG binds dyes, heme and divalent metal ions and can inhibit rosette formation. This protein has been shown to interact with thrombospondin, heparin and plasminogen. It may also play a role in mediating the contact activation phase of the intrinsic blood coagulation cascade. HPRG is expressed by the liver and is detected as a secreted protein in plasma. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti Hrg antibody was precoated onto the 96-well plate. The biotin conjugated anti Hrg antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with Hrg conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of Hrg in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504489
NCBI GeneID	3273
NCBI Accession #	NP_000403.1
NCBI GenBank Nucleotide #	NM_000412.4
Molecular Weight	59,578 Da
NCBI Official Full Name	histidine-rich glycoprotein
NCBI Official Synonym Full Names	histidine rich glycoprotein
NCBI Official Symbol	HRG
NCBI Official Synonym Symbols	HPRG; HRGP; THPH11
NCBI Protein Information	histidine-rich glycoprotein
UniProt Protein Name	Histidine-rich glycoprotein
UniProt Gene Name	HRG
UniProt Synonym Gene Names	HPRG
UniProt Entry Name	HRG_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.