

Human histidine-rich glycoprotein ELISA Kit | HRG elisa kit

Human histidine-rich glycoprotein, HRG ELISA Kit

CATALOG #
AAA80167

REACTIVITY
Human

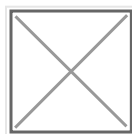
PRODUCT SYNONYMS

histidine-rich glycoprotein; Human histidine-rich glycoprotein; HRG ELISA Kit; Human histidine-rich glycoprotein (HRG) ELISA kit; DKFZp779H1622; HPRG; HRGP; histidine-proline rich glycoprotein; HRG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Human HRG. No significant cross-reactivity or interference between Human HRG and analogues was observed.
Sequence Length	525
Samples	Serum, plasma, tissue homogenates
Detection Range	6.25 ug/ml-400 ug/ml
Sensitivity	1.56 ug/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV% is less than 8% Three samples of known concentration were tested twenty times on one plate to assess. Inter-assay Precision (Precision between assays): CV% is less than 10% Three samples of known concentration were tested in twenty assays to assess.
Detection Wavelength	450 nm
Sample Volume	50-100ul
Protein Biological Process 1	Blood Coagulation
Protein Biological Process 3	Blood coagulation
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 HRG elisa kit	Introduction: HRG (histidine-rich glycoprotein) contains two cystatin-like domains and is located in plasma and platelets. The physiological function is not yet known. It binds heme, dyes and divalent metal ions. It can inhibit rosette formation and interacts with heparin, thrombospondin, and the lysine-binding site of plasminogen. A potential prothrombotic effect of HRG is indicated by the inhibition of fibrinolysis and the reduction of inhibition of coagulation. Mutations in HRG lead to thrombophilia due to abnormal histidine-rich glycoprotein levels. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to HRG. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for HRG and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB (3,3',5,5' tetramethyl-benzidine) substrate solution is added to each well. Only those wells that contain HRG, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of HRG in the samples is then determined by comparing the O.D. of the samples to the standard curve.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504489
NCBI GeneID	3273
NCBI Accession #	NP_000403.1
NCBI GenBank Nucleotide #	NM_000412.3
UniProt Accession #	P04196; B9EK35; D3DNU7
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; histidine-proline-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.