

Human Rh Blood Group, D Antigen (RHD) ELISA Kit | RHD elisa kit

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CATALOG #
AAA182405

REACTIVITY
Human

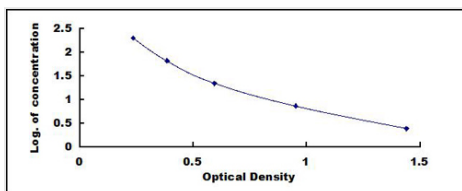
PRODUCT SYNONYMS

Rh Blood Group; D Antigen (RHD); Human Rh Blood Group; D Antigen (RHD) ELISA Kit; CD240D; Rh30a; Rh4; RhPI; RhII; DIIIc; Rhesus D antigen; Rh polypeptide 2; RHD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Rh Blood Group, D Antigen (RHD). No significant cross-reactivity or interference between Rh Blood Group, D Antigen (RHD) and analogues was observed.
Sequence Length	321
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue Homogenates, Cell Culture Supernates and Other Biological Fluids
Detection Range	2.47-200ng/mL
Sensitivity	< 0.92ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Rh Blood Group, D Antigen (RHD) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Rh Blood Group, D Antigen (RHD) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RHD elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Rh Blood Group, D Antigen (RHD) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Rh Blood Group, D Antigen (RHD) and unlabeled Rh Blood Group, D Antigen (RHD) (Standards or samples) with the pre-coated antibody specific to Rh Blood Group, D Antigen (RHD). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Rh Blood Group, D Antigen (RHD) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Rh Blood Group, D Antigen (RHD) in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	189095266
NCBI GeneID	6007
NCBI Accession #	NP_001121163.1
NCBI GenBank Nucleotide #	NM_001127691.2
UniProt Accession #	Q02161; Q02162; Q07618; Q16147; Q16235; Q16355; Q5VSK0; Q5XLS9; Q5XLT1; Q5XLT2; Q9NPK0; Q9UQ20
Molecular Weight	41,694 Da
NCBI Official Full Name	blood group Rh(D) polypeptide isoform 2
NCBI Official Synonym Full Names	Rh blood group D antigen
NCBI Official Symbol	RHD
NCBI Official Synonym Symbols	RH; Rh4; RH30; RhII; RhPI; DIILc; RHCED; RHDel; RHPII; RhDCw; CD240D; RHXIII; RHDVA(TT); RhK562-II
NCBI Protein Information	blood group Rh(D) polypeptide
UniProt Protein Name	Blood group Rh(D) polypeptide
UniProt Gene Name	RHD
UniProt Synonym Gene Names	RhPII

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.