

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

Human Anti-Rh Blood Group, D Antigen Antibody (Anti-RHD) ELISA Kit

CATALOG # AAA188379	REACTIVITY Human	APPLICATIONS ELISA
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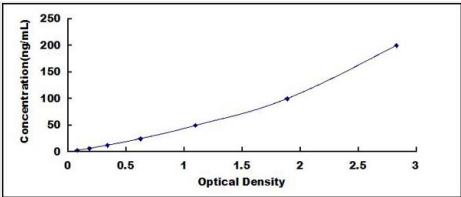
PRODUCT SYNONYMS

Rh Blood Group; D Antigen (RHD); Human Anti-Rh Blood Group; D Antigen Antibody (Anti-RHD) ELISA Kit; D Antigen; 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 Anti-Rh Blood Group, D Antigen Antibody (Anti-RHD). No significant cross-reactivity or interference between Anti-Rh Blood Group, D Antigen Antibody (Anti-RHD) and analogues was observed.
Sequence Length	321
Assay Type	Competitive Inhibition
Samples	Serum, plasma and other biological fluids
Detection Range	3.12-200ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 1.27ng/mL
Applicable Applications for RHD elisa kit	ELISA
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Anti-Rh Blood Group, D Antigen Antibody (Anti-RHD) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Anti-Rh Blood Group, D Antigen Antibody (Anti-RHD) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: $CV < 10\%$ Inter-Assay: $CV < 12\%$
Test Principle	The microtiter plate provided in this kit has been pre-coated with an antigen. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated secondary antibody. After TMB substrate solution is added, those wells that contain Anti-Rh Blood Group, D Antigen Antibody (Anti-RHD) will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of Anti-Rh Blood Group, D Antigen Antibody (Anti-RHD) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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)

NCBI AND UNIPROT INFORMATION

NCBI GI #	189095266
NCBI Accession #	NP_001121163.1
NCBI GenBank Nucleotide #	NP_001121163.1
UniProt Accession #	Q02161
NCBI Official Full Name	blood group Rh(D) polypeptide isoform 2
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/rh-blood-group-d-antigen-rhd/188379>