

Rat Replication Protein A1 (RPA1) ELISA Kit | RPA1 elisa kit

Rat Replication Protein A1 (RPA1) ELISA Kit

CATALOG #
AAA64237

REACTIVITY
Rat

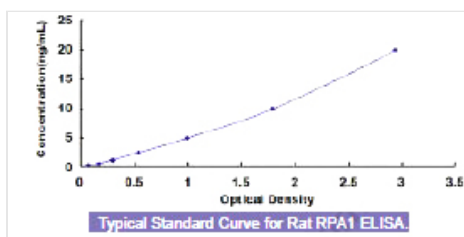
PRODUCT SYNONYMS

Replication Protein A1 (RPA1); Rat Replication Protein A1 (RPA1) ELISA Kit; CD155; HVED; Necl-5; Tage4; Nectin-Like Protein 5; RPA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of RPA1. No significant cross-reactivity or interference between RPA1 and analogues was observed.
Sequence Length	680
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.128ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level RPA1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level RPA1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RPA1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of RPA1 in rat tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to RPA1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to RPA1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain RPA1, biotin-conjugated antibody and enzyme-conjugated Avidin 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 RPA1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
--	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	114145419
NCBI GeneID	287524
NCBI Accession #	NP_001041308.1
NCBI GenBank Nucleotide #	NM_001047843.1
UniProt Accession #	Q7TP21
Molecular Weight	75,073 Da
NCBI Official Full Name	replication protein A 70 kDa DNA-binding subunit
NCBI Official Synonym Full Names	replication protein A1
NCBI Official Symbol	Rpa1
NCBI Official Synonym Symbols	Cb1-727
NCBI Protein Information	replication protein A 70 kDa DNA-binding subunit
UniProt Protein Name	Cb1-727
UniProt Gene Name	Rpa1

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.