Human DNA repair protein RAD51 homolog 1 (RAD51) ELISA Kit | RAD51 elisa kit

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CATALOG #	REACTIVITY
AAA11274	**Human**

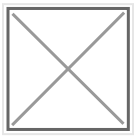
PRODUCT SYNONYMS

DNA repair protein RAD51 homolog 1 (RAD51); Human DNA repair protein RAD51 homolog 1 (RAD51) ELISA Kit; RAD51 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	339
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids
Detection Range	0.2-70ng/ml
Sensitivity	0.11ng/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision. CV(%) = SD/mean x 100. Inter-Assay: CV<10%
Preparation and Storage	Store at 2 to 8 degree C for 6 months.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RAD51 elisa kit	Principle of the Assay: This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Human RAD51 antibody. RAD51 present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Human RAD51 Antibody is added and binds to RAD51 in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated RAD51 antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Human RAD51. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm. Intended Uses: This sandwich kit is for the accurate quantitative detection of Human DNA repair protein RAD51 homolog 1 (also known as RAD51) in serum, plasma, cell culture supernates, Ascites, tissue homogenates or other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	49168602

NCBI GeneID	5888
UniProt Accession #	Q06609; Q6FHX9; Q6ZNA8; Q9BV60; B0FXP0; B2R8T6
Molecular Weight	26,351 Da
NCBI Official Full Name	RAD51
NCBI Official Synonym Full Names	RAD51 recombinase
NCBI Official Symbol	RAD51
NCBI Official Synonym Symbols	RECA; BRCC5; FANCR; MRMV2; HRAD51; RAD51A; HsRad51; HsT16930
NCBI Protein Information	DNA repair protein RAD51 homolog 1
UniProt Protein Name	DNA repair protein RAD51 homolog 1
UniProt Gene Name	**RAD51**
UniProt Synonym Gene Names	RAD51A; RECA; HsRAD51; hRAD51

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/dna-repair-protein-rad51-homolog-1-rad51/11274