

Human 40S ribosomal protein SA (RPSA) ELISA Kit | RPSA elisa kit

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CATALOG #
AAA246833

REACTIVITY
Human

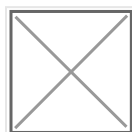
PRODUCT SYNONYMS

40S ribosomal protein SA (RPSA); Human 40S ribosomal protein SA (RPSA) ELISA Kit; RPSA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RPSA. No significant cross-reactivity or interference between RPSA and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between RPSA and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Intended Uses	This RPSA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human RPSA. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RPSA elisa kit

Principle of the Assay: RPSA ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-RPSA antibody and an RPSA-HRP conjugate. The assay sample and buffer are incubated together with RPSA-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the RPSA concentration since RPSA from samples and RPSA-HRP conjugate compete for the anti-RPSA antibody binding site. Since the number of sites is limited, as more sites are occupied by RPSA from the sample, fewer sites are left to bind RPSA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RPSA concentration in each sample is interpolated from this standard curve.

Intended Uses: This RPSA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human RPSA. This ELISA kit for research use only, not for therapeutic or test applications!

Product Categories/Family for RPSA elisa kit

[Epigenetics and Nuclear Signaling](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	59859885
NCBI GeneID	3921
NCBI Accession #	NP_001012321.1
NCBI GenBank Nucleotide #	NM_001012321.1
Molecular Weight	32,854 Da
NCBI Official Full Name	40S ribosomal protein SA
NCBI Official Synonym Full Names	ribosomal protein SA
NCBI Official Symbol	RPSA
NCBI Official Synonym Symbols	SA; LBP; LRP; p40; 67LR; ICAS; lamR; 37LRP; LAMBR; LAMR1; LRP/LR; LBP/p40; NEM/1CHD4
NCBI Protein Information	40S ribosomal protein SA; 37 kDa laminin receptor; 67 kDa laminin receptor; 37/67 kDa laminin receptor; laminin-binding protein precursor p40; colon carcinoma laminin-binding protein; laminin receptor 1 (67kD, ribosomal protein SA); multidrug resistance-associated protein MGr1-Ag
UniProt Protein Name	40S ribosomal protein SA
UniProt Gene Name	RPSA
UniProt Synonym Gene Names	LAMBR; LAMR1; 37LRP; LRP/LR; 67LR; LamR; LBP/p40
UniProt Entry Name	RSSA_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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/40s-ribosomal-protein-sa-rpsa/246833>