

Human 40S ribosomal protein S21 (RPS21) ELISA Kit | RPS21 elisa kit

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CATALOG #
AAA245245

REACTIVITY
Human

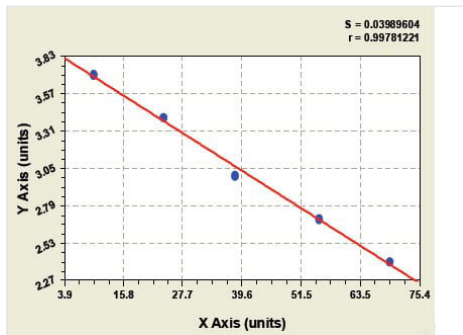
PRODUCT SYNONYMS

40S ribosomal protein S21 (RPS21); Human 40S ribosomal protein S21 (RPS21) ELISA Kit; RPS21 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This RPS21 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human RPS21. 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 RPS21 elisa kit

Principle of the Assay: RPS21 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-RPS21 antibody and an RPS21-HRP conjugate. The assay sample and buffer are incubated together with RPS21-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 RPS21 concentration since RPS21 from samples and RPS21-HRP conjugate compete for the anti-RPS21 antibody binding site. Since the number of sites is limited, as more sites are occupied by RPS21 from the sample, fewer sites are left to bind RPS21-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RPS21 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506699
NCBI GeneID	6227
NCBI Accession #	NP_001015.1
NCBI GenBank Nucleotide #	NM_001024.3
Molecular Weight	9,111 Da
NCBI Official Full Name	40S ribosomal protein S21
NCBI Official Synonym Full Names	ribosomal protein S21
NCBI Official Symbol	RPS21
NCBI Official Synonym Symbols	S21; HLDF
NCBI Protein Information	40S ribosomal protein S21; 8.2 kDa differentiation factor; human leukemia differentiation factor
UniProt Protein Name	40S ribosomal protein S21
UniProt Gene Name	RPS21
UniProt Entry Name	RS21_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://www.aaabiotech.com/human-elisa-kits/40s-ribosomal-protein-s21-rps21/245245>