

Human 40S ribosomal protein S3 (RPS3) ELISA Kit | RPS3 elisa kit

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CATALOG #
AAA246667

REACTIVITY
Human

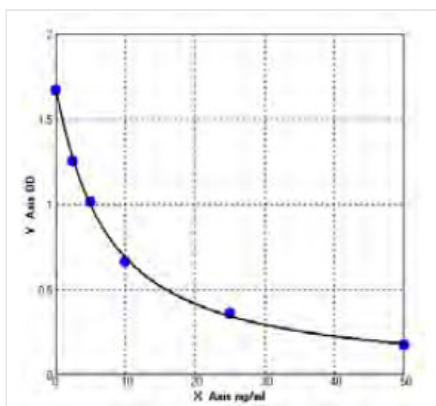
PRODUCT SYNONYMS

40S ribosomal protein S3 (RPS3); Human 40S ribosomal protein S3 (RPS3) ELISA Kit; RPS3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of RPS3. No significant cross-reactivity or interference between RPS3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between RPS3 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RPS3 elisa kit	Intended Uses: This RPS3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human RPS3. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: RPS3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-RPS3 antibody and an RPS3-HRP conjugate. The assay sample and buffer are incubated together with RPS3-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 RPS3 concentration since RPS3 from samples and RPS3-HRP conjugate compete for the anti-RPS3 antibody binding site. Since the number of sites is limited, as more sites are occupied by RPS3 from the sample, fewer sites are left to bind RPS3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RPS3 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for RPS3 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	378548190
NCBI GeneID	6188
NCBI Accession #	NP_001243731.1
NCBI GenBank Nucleotide #	NM_001256802.1
Molecular Weight	28,487 Da
NCBI Official Full Name	40S ribosomal protein S3 isoform 1
NCBI Official Synonym Full Names	ribosomal protein S3
NCBI Official Symbol	RPS3
NCBI Official Synonym Symbols	S3
NCBI Protein Information	40S ribosomal protein S3; IMR-90 ribosomal protein S3
UniProt Protein Name	40S ribosomal protein S3
UniProt Gene Name	RPS3
UniProt Synonym Gene Names	OK/SW-cl.26
UniProt Entry Name	RS3_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-s3-rps3/246667>