

Human 40S ribosomal protein S4, X isoform (RPS4X) ELISA Kit | RPS4X elisa kit

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CATALOG #
AAA245128

REACTIVITY
Human

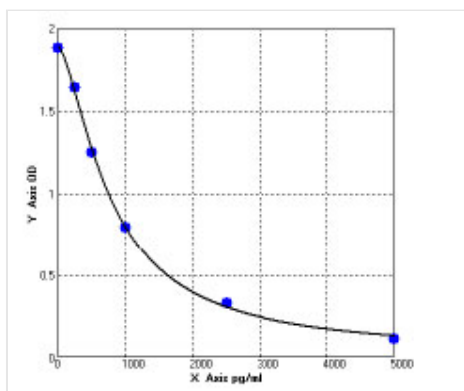
PRODUCT SYNONYMS

40S ribosomal protein S4; X isoform (RPS4X); Human 40S ribosomal protein S4; X isoform (RPS4X) ELISA Kit; RPS4X 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
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RPS4X elisa kit

Intended Uses: This RPS4X ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human RPS4X. This ELISA kit for research use only!

Principle of the Assay: RPS4X ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-RPS4X antibody and an RPS4X-HRP conjugate. The assay sample and buffer are incubated together with RPS4X-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 RPS4X concentration since RPS4X from samples and RPS4X-HRP conjugate compete for the anti-RPS4X antibody binding site. Since the number of sites is limited, as more sites are occupied by RPS4X from the sample, fewer sites are left to bind RPS4X-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RPS4X concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506725
NCBI GeneID	6191
NCBI Accession #	NP_000998.1
NCBI GenBank Nucleotide #	NM_001007.4
Molecular Weight	29,598 Da
NCBI Official Full Name	40S ribosomal protein S4, X isoform X isoform
NCBI Official Synonym Full Names	ribosomal protein S4, X-linked
NCBI Official Symbol	RPS4X
NCBI Official Synonym Symbols	S4; CCG2; RPS4; SCAR; SCR10; DXS306
NCBI Protein Information	40S ribosomal protein S4, X isoform; cell cycle gene 2; single-copy abundant mRNA; ribosomal protein S4X isoform; single copy abundant mRNA protein
UniProt Protein Name	40S ribosomal protein S4, X isoform
UniProt Gene Name	RPS4X
UniProt Synonym Gene Names	CCG2; RPS4; SCAR
UniProt Entry Name	RS4X_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-s4-x-isoform-rps4x/245128>