

Human 60S ribosomal protein L14 (RPL14) ELISA Kit | RPL14 elisa kit

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CATALOG #
AAA245643

REACTIVITY
Human

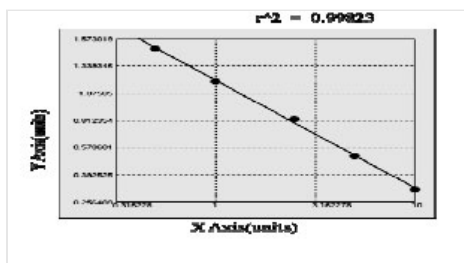
PRODUCT SYNONYMS

60S ribosomal protein L14 (RPL14); Human 60S ribosomal protein L14 (RPL14) ELISA Kit; RPL14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RPL14 elisa kit

Intended Uses: This RPL14 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human RPL14. This ELISA kit for research use only!

Principle of the Assay: RPL14 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-RPL14 antibody and an RPL14-HRP conjugate. The assay sample and buffer are incubated together with RPL14-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 RPL14 concentration since RPL14 from samples and RPL14-HRP conjugate compete for the anti-RPL14 antibody binding site. Since the number of sites is limited, as more sites are occupied by RPL14 from the sample, fewer sites are left to bind RPL14-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RPL14 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for RPL14 elisa kit

[Epigenetics and Nuclear Signaling](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	78000183
NCBI GeneID	9045
NCBI Accession #	NP_001030168.1
NCBI GenBank Nucleotide #	NM_001034996.2
Molecular Weight	23,432 Da
NCBI Official Full Name	60S ribosomal protein L14
NCBI Official Synonym Full Names	ribosomal protein L14
NCBI Official Symbol	RPL14
NCBI Official Synonym Symbols	L14; RL14; hRL14; CTG-B33; CAG-ISL-7
NCBI Protein Information	60S ribosomal protein L14
UniProt Protein Name	60S ribosomal protein L14
UniProt Gene Name	RPL14
UniProt Entry Name	RL14_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/60s-ribosomal-protein-l14-rpl14/245643>