

Human 28S ribosomal protein S14, mitochondrial (MRPS14) ELISA Kit | MRPS14 elisa kit

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CATALOG #
AAA246321

REACTIVITY
Human

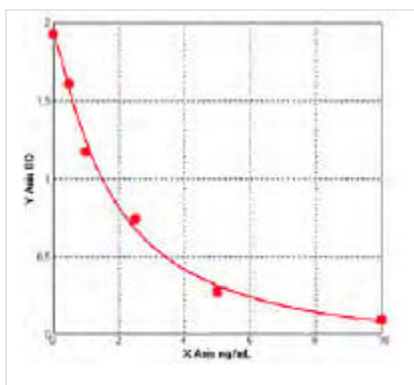
PRODUCT SYNONYMS

28S ribosomal protein S14; mitochondrial (MRPS14); Human 28S ribosomal protein S14; mitochondrial (MRPS14) ELISA Kit; MRPS14 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of MRPS14. No significant cross-reactivity or interference between MRPS14 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between MRPS14 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 MRPS14 elisa kit	Intended Uses: This MRPS14 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of HumanMRPS14. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: MRPS14 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-MRPS14 antibody and an MRPS14-HRP conjugate. The assay sample and buffer are incubated together with MRPS14-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 MRPS14 concentration since MRPS14 from samples and MRPS14-HRP conjugate compete for the anti-MRPS14 antibody binding site. Since the number of sites is limited, as more sites are occupied by MRPS14 from the sample, fewer sites are left to bind MRPS14-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The MRPS14 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11559927
NCBI GeneID	63931
NCBI Accession #	NP_071383.1
NCBI GenBank Nucleotide #	NM_022100.2
Molecular Weight	15,139 Da
NCBI Official Full Name	28S ribosomal protein S14, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S14
NCBI Official Symbol	MRPS14
NCBI Official Synonym Symbols	S14mt; MRP-S14; HSMRPS14; DJ262D12.2
NCBI Protein Information	28S ribosomal protein S14, mitochondrial; mitochondrial 28S ribosomal protein S14
UniProt Protein Name	28S ribosomal protein S14, mitochondrial
UniProt Gene Name	MRPS14
UniProt Synonym Gene Names	MRP-S14; S14mt
UniProt Entry Name	RT14_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/28s-ribosomal-protein-s14-mitochondrial-mrps14/246321>