Human 28S Ribosomal Protein S36, Mitochondrial (MRPS36) ELISA Kit | MRPS36 elisa kit

Human 28S Ribosomal Protein S36, Mitochondrial (MRPS36) ELISA Kit

CATALOG #	REACTIVITY
AAA331683	**Human**

PRODUCT SYNONYMS

28S Ribosomal Protein S36; Mitochondrial (MRPS36); Human 28S Ribosomal Protein S36; Mitochondrial (MRPS36) ELISA Kit; MRPS36; DC47; MGC22896; MRP-S36; MRPS36 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human 28S ribosomal protein S36, mitochondrial (MRPS36) ELISA Kit has high sensitivity and excellent specificity for detection of Human MRPS36. No significant cross-reactivity or interference between Human MRPS36 and analogues was observed.
Sequence Length	103
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES

Standard Curve (Sample)
Fig.1. Human 28S ribosomal protein S36, mitochondrial (MRPS36) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MRPS36 elisa kit	Description: This Human 28S ribosomal protein S36, mitochondrial (MRPS36) ELISA Kit employs a two-site sandwich ELISA to quantitate MRPS36 in samples. An antibody specific for MRPS36 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MRPS36 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MRPS36 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MRPS36 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Mammalian mitochondrial ribosomal proteins are encoded by nuclear genes and help in protein synthesis within the mitochondrion. The mitochondrial ribosome (mitoribosome) consists of a small 28S subunit and a large 39S subunit. They have an estimated 75% protein to rRNA composition compared to prokaryotic ribosomes, where this ratio is reversed. Another difference between mammalian mitoribosomes and prokaryotic ribosomes is that the latter contain a 5S rRNA. Among different species, the proteins comprising the mitoribosome differ greatly in sequence, and sometimes in biochemical properties, which prevents easy recognition by sequence homology. MRPS36 encodes a 28S subunit protein. Pseudogenes corresponding to this gene are found on chromosomes 3p, 4q, 8p, 11q, 12q, and 20p.

NCBI AND UNIPROT INFORMATION

NCBI GI #	15150811
NCBI GeneID	92259
NCBI Accession #	NP_150597.1
NCBI GenBank Nucleotide #	NP_150597.1
UniProt Accession #	P82909
NCBI Official Full Name	28S ribosomal protein S36, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S36
NCBI Official Symbol	MRPS36
NCBI Official Synonym Symbols	DC47; MRP-S36
NCBI Protein Information	28S ribosomal protein S36, mitochondrial
UniProt Protein Name	28S ribosomal protein S36, mitochondrial
UniProt Gene Name	**MRPS36**
UniProt Synonym Gene Names	MRP-S36; S36mt
UniProt Entry Name	RT36_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/28s-ribosomal-protein-s36-mitochondrial-mrps36/331683