Human 28S Ribosomal Protein S30, Mitochondrial (MRPS30) ELISA Kit | MRPS30 elisa kit

Human 28S Ribosomal Protein S30, Mitochondrial (MRPS30) ELISA Kit

CATALOG #	REACTIVITY
AAA331686	**Human**

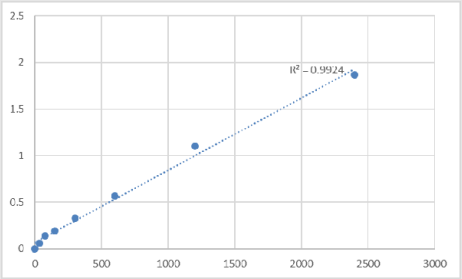
PRODUCT SYNONYMS

28S Ribosomal Protein S30; Mitochondrial (MRPS30); Human 28S Ribosomal Protein S30; Mitochondrial (MRPS30) ELISA Kit; MRPS30; DKFZp566B2024; MRP-S30; PAP; PDCD9; (HSA)PAP protein; programmed cell death 9; MRPS30 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human 28S ribosomal protein S30, mitochondrial (MRPS30) ELISA Kit has high sensitivity and excellent specificity for detection of Human MRPS30. No significant cross-reactivity or interference between Human MRPS30 and analogues was observed.
Sequence Length	439
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 S30, mitochondrial (MRPS30) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MRPS30 elisa kit	Description: This Human 28S ribosomal protein S30, mitochondrial (MRPS30) ELISA Kit employs a two-site sandwich ELISA to quantitate MRPS30 in samples. An antibody specific for MRPS30 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MRPS30 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MRPS30 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 MRPS30 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. Mitochondrial ribosomes (mitoribosomes) consist 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. MRPS30 encodes a 28S subunit protein, mitochondrial ribosomal protein S30, that is similar to the chicken pro-apoptotic protein p52. Transcript variants using alternative promoters or polyA sites have been mentioned in the literature but the complete description of these sequences is not available.

NCBI AND UNIPROT INFORMATION

NCBI GI #	58331150
NCBI GeneID	10884
NCBI Accession #	NP_057724.2
NCBI GenBank Nucleotide #	NP_057724.2
UniProt Accession #	Q9NP92
NCBI Official Full Name	39S ribosomal protein S30, mitochondrial
NCBI Official Synonym Full Names	mitochondrial ribosomal protein S30
NCBI Official Symbol	MRPS30
NCBI Official Synonym Symbols	PAP; PDCD9; S30mt; MRP-S30
NCBI Protein Information	39S ribosomal protein S30, mitochondrial
UniProt Protein Name	28S ribosomal protein S30, mitochondrial
UniProt Gene Name	**MRPS30**
UniProt Synonym Gene Names	PDCD9; MRP-S30; S30mt
UniProt Entry Name	RT30_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://www.aaabiotech.com/human-elisa-kits/28s-ribosomal-protein-s30-mitochondrial-mrps30/331686