

Human Peptide Chain Release Factor 1-Like, Mitochondrial (MTRF1L) ELISA Kit | MTRF1L elisa kit

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CATALOG #
AAA331637

REACTIVITY
Human

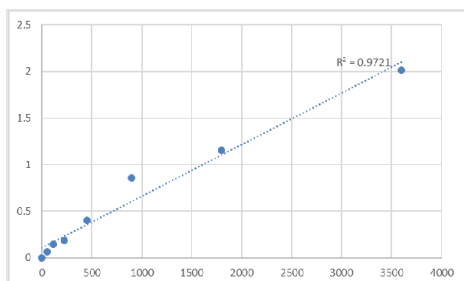
PRODUCT SYNONYMS

Peptide Chain Release Factor 1-Like; Mitochondrial (MTRF1L); Human Peptide Chain Release Factor 1-Like; Mitochondrial (MTRF1L) ELISA Kit; MTRF1L; RP1-101K10.1; MGC102748; MRF1L; mTRF1a; mitochondrial release factor 1 like; MTRF1L elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Peptide chain release factor 1-like, mitochondrial (MTRF1L) ELISA Kit has high sensitivity and excellent specificity for detection of Human MTRF1L. No significant cross-reactivity or interference between Human MTRF1L and analogues was observed.
Sequence Length	380
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 Peptide chain release factor 1-like, mitochondrial (MTRF1L) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MTRF1L elisa kit	Description: This Human Peptide chain release factor 1-like, mitochondrial (MTRF1L) ELISA Kit employs a two-site sandwich ELISA to quantitate MTRF1L in samples. An antibody specific for MTRF1L has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MTRF1L present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MTRF1L 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 MTRF1L bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Mitochondrial translational release factor 1-like encoded by MTRF1L plays a role in mitochondrial translation termination, and is thought to be a release factor that is involved in the dissociation of the complete protein from the final tRNA, the ribosome, and the cognate mRNA. Mitochondrial translational release factor 1-like acts upon UAA and UAG stop codons, but has no in vitro activity against UGA, which encodes tryptophan in human mitochondrion, or, the mitochondrial non-cognate stop codons, AGA and AGG. Mitochondrial translational release factor 1-like shares sequence similarity to bacterial release factors. Pseudogenes of this gene are found on chromosomes 4, 8, and 11. Alternative splicing results in multiple transcript variants.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	166795303
NCBI GeneID	54516
NCBI Accession #	NP_061914
NCBI GenBank Nucleotide #	NP_061914.3
UniProt Accession #	Q9UGC7
NCBI Official Full Name	peptide chain release factor 1-like, mitochondrial isoform 1
NCBI Official Synonym Full Names	mitochondrial translational release factor 1 like
NCBI Official Symbol	MTRF1L
NCBI Official Synonym Symbols	MRF1L; HMRF1L; mtRF1a
NCBI Protein Information	peptide chain release factor 1-like, mitochondrial
UniProt Protein Name	Peptide chain release factor 1-like, mitochondrial
UniProt Gene Name	MTRF1L
UniProt Synonym Gene Names	MTRF1A
UniProt Entry Name	RF1ML_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/peptide-chain-release-factor-1-like-mitochondrial-mtrf1l/331637>