

Human Trans-2-enoyl-CoA Reductase, Mitochondrial (MECR) ELISA Kit | MECR elisa kit

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CATALOG #
AAA331824

REACTIVITY
Human

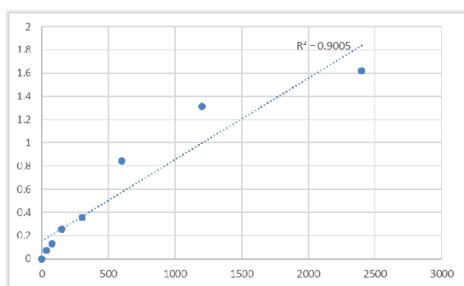
PRODUCT SYNONYMS

Trans-2-enoyl-CoA Reductase; Mitochondrial (MECR); Human Trans-2-enoyl-CoA Reductase; Mitochondrial (MECR) ELISA Kit; MECR; RP11-467D18.1; CGI-63; FASN2B; NRBF1; homolog of yeast 2-enoyl thioester reductase; mitochondrial 2-enoyl thioester reductase; nuclear receptor binding factor 1; trans-2-enoyl-CoA reductase; mitochondr; MECR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Trans-2-enoyl-CoA reductase, mitochondrial (MECR) ELISA Kit has high sensitivity and excellent specificity for detection of Human MECR. No significant cross-reactivity or interference between Human MECR and analogues was observed.
Sequence Length	373
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 Trans-2-enoyl-CoA reductase, mitochondrial (MECR) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MECR elisa kit	Description: This Human Trans-2-enoyl-CoA reductase, mitochondrial (MECR) ELISA Kit employs a two-site sandwich ELISA to quantitate MECR in samples. An antibody specific for MECR has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MECR present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MECR 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 MECR bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MECR (Mitochondrial Trans-2-Enoyl-CoA Reductase) is a Protein Coding gene. Among its related pathways are Fatty acid metabolism and Fatty acid elongation. GO annotations related to this gene include oxidoreductase activity and trans-2-enoyl-CoA reductase (NADPH) activity.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	31982403
NCBI GeneID	353301
NCBI Accession #	NP_858055.1
NCBI GenBank Nucleotide #	NP_858055.1
UniProt Accession #	Q7YS70
NCBI Official Full Name	enoyl-[acyl-carrier-protein] reductase, mitochondrial
NCBI Official Synonym Full Names	mitochondrial trans-2-enoyl-CoA reductase
NCBI Official Symbol	MECR
NCBI Official Synonym Symbols	NRBF1
NCBI Protein Information	enoyl-[acyl-carrier-protein] reductase, mitochondrial
UniProt Protein Name	Trans-2-enoyl-CoA reductase, mitochondrial
UniProt Gene Name	MECR
UniProt Synonym Gene Names	NBRF1; BtNrnf-1; NRBF-1
UniProt Entry Name	MECR_BOVIN

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/trans-2-enoyl-coa-reductase-mitochondrial-mecr/331824>