

Human LETM1 And EF-hand Domain-Containing Protein 1, Mitochondrial (LETM1) ELISA Kit | LETM1 elisa kit

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CATALOG # AAA331943	REACTIVITY Human
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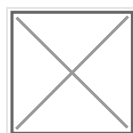
PRODUCT SYNONYMS

LETM1 And EF-hand Domain-Containing Protein 1; Mitochondrial (LETM1); Human LETM1 And EF-hand Domain-Containing Protein 1; Mitochondrial (LETM1) ELISA Kit; LETM1; LETM1 and EF-hand domain-containing protein 1; mitochondrial; LETM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human LETM1 and EF-hand domain-containing protein 1, mitochondrial (LETM1) ELISA Kit has high sensitivity and excellent specificity for detection of Human LETM1. No significant cross-reactivity or interference between Human LETM1 and analogues was observed.
Sequence Length	739
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 LETM1 and EF-hand domain-containing protein 1, mitochondrial (LETM1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for LETM1 elisa kit	Description: This Human LETM1 and EF-hand domain-containing protein 1, mitochondrial (LETM1) ELISA Kit employs a two-site sandwich ELISA to quantitate LETM1 in samples. An antibody specific for LETM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any LETM1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LETM1 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 LETM1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: LETMD1 is involved in tumorigenesis and may function as a negative regulator of the TP53/p53. It is found in kidney, liver, skeletal muscle, heart and brain and is over-expressed in various tumors including leukemia, lymphoma, and carcinomas of the breast, kidney, ovary, stomach, colon and uterine cervix. There are six isoforms.HCCR-2 that was overexpressed in various human tumors including leukemia, lymphoma, and carcinomas of the breast, kidney, ovary, stomach, colon, and uterine cervix. Ectopic expression of HCCR-2 resulted in direct tumorigenic conversions of NIH/3T3 and Rat1 fibroblasts. HCCR-2 probably represents a new oncogene that is related to tumorigenesis, functioning as a negative regulator of the p53 tumor suppressor.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6912482
NCBI GeneID	3954
NCBI Accession #	NP_036450
NCBI GenBank Nucleotide #	NP_036450.1
UniProt Accession #	O95202
NCBI Official Full Name	mitochondrial proton/calcium exchanger protein
NCBI Official Synonym Full Names	leucine zipper and EF-hand containing transmembrane protein 1
NCBI Official Symbol	LETM1
NCBI Official Synonym Symbols	SLC55A1
NCBI Protein Information	mitochondrial proton/calcium exchanger protein
UniProt Protein Name	LETM1 and EF-hand domain-containing protein 1, mitochondrial
UniProt Gene Name	LETM1
UniProt Entry Name	LETM1_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.