# Human LETM1 and EF-hand domain-containing protein 1, mitochondrial (LETM1) ELISA Kit

Catalog No: #EK10107

Package Size: #EK10107-1 48T #EK10107-2 96T

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## Description

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| Product Name | Human LETM1 and EF-hand domain-containing protein 1, mitochondrial (LETM1) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Human (Homo sapiens) |
| Other Names | LETM1 and EF-hand domain-containing protein 1; mitochondrial |
| Accession No. | O95202 |
| Uniprot | O95202 |
| GeneID | 3954; |
| Storage | The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C). |

## Application Details

Detect Range:15.6-1000 pg/mL

Sensitivity:6.5 pg/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

Detection Method:SandwichTest principle:This assay 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 anyLETM1 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.Product Overview: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.

Note: This product is for in vitro research use only