

Human Proadrenomedullin N-20 terminal peptide (PAMP) ELISA Kit

Catalog No: #EK12244

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Package Size: #EK12244-1 48T #EK12244-2 96T

Description

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|--------------------|--|
| Product Name | Human Proadrenomedullin N-20 terminal peptide (PAMP) ELISA Kit |
| Brief Description | ELISA Kit |
| Applications | ELISA |
| Species Reactivity | Hu |
| Other Names | FTSH; MEG4; YME1L; YME1 Like Protein 1; YME1L1 |
| 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. 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

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| Detect Range:0.312-20 ng/mL |
| Sensitivity:0.115 ng/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:Sandwich

Test principle:This assay employs a two-site sandwich ELISA to quantitate PAMP in samples. An antibody specific for PAMP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyPAMP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PAMP 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 PAMP bound in the initial step. The color development is stopped and the intensity of the color is measured.

Product Overview:YME1L1 is the human ortholog of yeast mitochondrial AAA metalloprotease, Yme1p. It is localized in the mitochondria and can functionally complement a yme1 disruptant yeast strain. It is proposed that this gene plays a role in mitochondrial protein metabolism and could be involved in mitochondrial pathologies. Two transcript variants encoding different isoforms have been found for this gene.YME1L1 shares 50% sequence identity with yeast Yme1, 40% identity with yeast Rca1, and 39% identity with yeast Afg3, with highest homology in the central regions of the proteins. Northern blot analysis revealed transcripts of about 2.6 and 4.4 kb in all tissues examined, with greatest abundance in adult heart, skeletal muscle, and pancreas.

Note: This product is for in vitro research use only