Pig Adrenomedullin (ADM) ELISA Kit

Catalog No: #EK7739

Package Size: #EK7739-1 48T #EK7739-2 96T

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Description

Product Name	Pig Adrenomedullin (ADM) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Pig (Sus scrofa; Porcine)
Other Names	AM; preproadrenomedullin
Accession No.	P53366
Uniprot	P53366
GeneID	397195;
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

Detect Range:12.35-1000 pg/mL

Sensitivity:4.85 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 ADM in samples. An antibody specific for ADM has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADM present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADM 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 ADM bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Adrenomedullin (ADM) is a peptide associated with pheochromocytoma. Adrenomedullin (AM) is a ubiquitously expressed peptide initially isolated from phaechromyctoma. Adrenomedullin, a hypotensive peptide found in human pheochromocytoma, consists of 52 amino acids, has 1 intramolecular disulfide bond, and shows a slight homology with the calcitonin gene-related peptide. It may function as a hormone in circulation control because it is found in blood in a considerable concentration. The precursor, called preproadrenomedullin, is 185 amino acids long. By RNA-blot analysis, human adrenomedullin mRNA was found to be highly expressed in several tissues. The human AM gene is localized to a single locus on Chromosome 11 with 4 exons and 3 introns.

Note: This product is for in vitro research use only