

Rat Adrenomedullin 2 (ADM2) ELISA Kit

Catalog No: #EK7740



Package Size: #EK7740-1 48T #EK7740-2 96T

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	Rat Adrenomedullin 2 (ADM2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Rat (<i>Rattus norvegicus</i>)
Other Names	RP4-579N16.10; AM2; FLJ21135; dJ579N16.4; OTTHUMP00000196596 intermedin
Accession No.	P61312
Uniprot	P61312
GeneID	399475;
Storage	<p>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.</p> <p>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).</p>

Application Details

Detect Range:62.5-4000 pg/mL

Sensitivity:15.6 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 ADM2 in samples. An antibody specific for ADM2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADM2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADM2 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 ADM2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**ADM2 belongs to a family of calcitonin related peptide hormones important for regulating diverse physiologic functions and the chemical composition of fluids and tissues. ADM2 contains a dibasic cleavage site, followed by a 47-amino acid mature peptide hormone sequence and an alpha-amidation donor glycine at the C terminus.

Immunohistochemical analysis of several mouse tissues detected Adm2 in pituitary and stomach. PCR analysis of a human gastrointestinal panel detected ADM2 in almost all regions examined. Immunohistochemical staining showed ADM2 in the muscularis mucosae layer of stomach. Western blot analysis of transfected embryonic kidney cells found mature ADM2 secreted into the culture medium; the apparent molecular mass was about 5.0 kD.

Note: This product is for in vitro research use only