

Guinea pig Adrenocorticotrophic hormone receptor (MC2R) ELISA Kit



Catalog No: #EK9831

Orders: order@signalwayantibody.com

Package Size: #EK9831-1 48T #EK9831-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Guinea pig Adrenocorticotrophic hormone receptor (MC2R) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Guinea pig (Cavia)
Other Names	ACTHR; MGC125798; ACTH receptor MC2 receptor OTTHUMP00000162512 corticotropin receptor melanocortin 2 receptor
Accession No.	Q9Z1S9
Uniprot	Q9Z1S9
GeneID	100135574;
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:15.6-1000 pg/mL

Sensitivity:3.9 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:Sandwich Test principle:This assay employs a two-site sandwich ELISA to quantitate MC2R in samples. An antibody specific for MC2R has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMC2R present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MC2R 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 MC2R bound in the initial step. The color development is stopped and the intensity of the color is measured.
Product Overview:The ACTH receptor is a type of melanocortin receptor (type 2), properly known as MC2, which is specific for ACTH.the ACTHR gene is expressed in normal corporal skin, scalp tissue, compound nevus tissue, basal cell carcinoma tissue, and cultured melanocytes; the CYP11A1 gene is expressed in squamous cell carcinoma tissue, normal facial skin, normal corporal skin, cultured melanocytes, and basal cell carcinoma tissue; the CYP17 gene is expressed in normal facial skin, corporal skin, cultured melanocytes, squamous cell carcinoma cells, and basal cell carcinoma cells; the CYP21A2 gene is expressed in melanoma tissue, squamous cell carcinoma tissue, basal cell carcinoma tissue, normal facial skin, and cultured melanocytes.

Note: This product is for in vitro research use only