Mouse Melanocyte-stimulating hormone receptor (MC1R) ELISA Kit

Catalog No: #EK9832

Package Size: #EK9832-1 48T #EK9832-2 96T

Orders: order@signalwayantibody.com
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Description

Product Name	Mouse Melanocyte-stimulating hormone receptor (MC1R) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	CMM5; MGC14337; MSH-R; SHEP2; melanocortin 1 receptor|melanotropin receptor
Accession No.	Q01727
Uniprot	Q01727
GeneID	17199;
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:31.25-2000 pg/mL

Sensitivity:7.8 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 MC1R in samples. An antibody specific for MC1R has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMC1R present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MC1R 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 MC1R bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:TUBB3 expression in several human cell lines, but not in a paclitaxel-resistant cell line. RNA interference revealed that HIF1A mediated hypoxia-induced TUBB3 expression. Chromatin immunoprecipitation analysis showed that HIF1A bound an HIF1A-binding site in the 5-prime flanking region of the TUBB3 gene. Methylation of an enhancer in the 3-prime flanking region abolished hypoxia-induced TUBB3 expression. Much lower Tubb3 levels were detected in all other adult mouse tissues examined except brain, where expression was even lower. Chromatin immunoprecipitation analysis showed that HIF1A bound an HIF1A-binding site in the 5-prime flanking region of the TUBB3 gene. Methylation of an enhancer in the 3-prime flanking region abolished hypoxia-induced TUBB3 expression.

Note: This product is for in vitro research use only