

# Human Melanin-concentrating hormone receptor 1 (MCHR1) ELISA Kit

Catalog No: #EK9824

Package Size: #EK9824-1 48T #EK9824-2 96T

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## Description

Product Name	Human Melanin-concentrating hormone receptor 1 (MCHR1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	GPR24; MCH1R; MGC32129; SLC1; G protein-coupled receptor 24 G-protein coupled receptor 24
Accession No.	Q99705
Uniprot	Q99705
GeneID	2847;
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:0.312-20 ng/mL

Sensitivity:0.109 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:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate MCHR1 in samples. An antibody specific for MCHR1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyMCHR1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MCHR1 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 MCHR1 bound in the initial step. The color development is stopped and the intensity of the color is measured.

**Product Overview:**Melanin-concentrating hormone receptor 1 is one of the melanin-concentrating hormone receptors.The protein encoded by this gene, a member of the G protein-coupled receptor family 1, is an integral plasma membrane protein which binds melanin-concentrating hormone. The encoded protein can inhibit cAMP accumulation and stimulate intracellular calcium flux, and is probably involved in the neuronal regulation of food consumption. Although structurally similar to somatostatin receptors, this protein does not seem to bind somatostatin.MCH1 is thought to have a number of functions including in the regulation of appetite, and in stress, anxiety and depression.Highest level in brain, particularly in the frontal cortex and hypothalamus, lower levels in the liver and heart.

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Note: This product is for in vitro research use only