

Human Melanin-Concentrating Hormone Receptor 1 (MCHR1) ELISA Kit | MCHR1 elisa kit

Human Melanin-Concentrating Hormone Receptor 1 (MCHR1) ELISA Kit

CATALOG #
AAA331844

REACTIVITY
Human

PRODUCT SYNONYMS

Melanin-Concentrating Hormone Receptor 1 (MCHR1); Human Melanin-Concentrating Hormone Receptor 1 (MCHR1) ELISA Kit; MCHR1; GPR24; MCH1R; MGC32129; SLC1; G protein-coupled receptor 24; G-protein coupled receptor 24; MCHR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Melanin-concentrating hormone receptor 1 (MCHR1) ELISA Kit has high sensitivity and excellent specificity for detection of Human MCHR1. No significant cross-reactivity or interference between Human MCHR1 and analogues was observed.
Sequence Length	422
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Melanin-concentrating hormone receptor 1 (MCHR1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MCHR1 elisa kit	Description: This Human Melanin-concentrating hormone receptor 1 (MCHR1) ELISA Kit 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 any MCHR1 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. Background: 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.
---	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	88758590
NCBI GeneID	2847
NCBI Accession #	NP_005288.3
NCBI GenBank Nucleotide #	NP_005288.3
UniProt Accession #	Q99705
NCBI Official Full Name	melanin-concentrating hormone receptor 1
NCBI Official Synonym Full Names	melanin concentrating hormone receptor 1
NCBI Official Symbol	MCHR1
NCBI Official Synonym Symbols	SLC1; GPR24; MCH1R; SLC-1; MCH-1R
NCBI Protein Information	melanin-concentrating hormone receptor 1
UniProt Protein Name	Melanin-concentrating hormone receptor 1
UniProt Gene Name	MCHR1
UniProt Synonym Gene Names	GPR24; SLC1; MCH receptor 1; MCH-R1; MCHR-1; MCH1R; MCHR
UniProt Entry Name	MCHR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.