

Human Melanocyte-Stimulating Hormone Receptor (MC1R/MSHR) ELISA Kit | MC1R/MSHR elisa kit

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CATALOG # AAA331849	REACTIVITY Human
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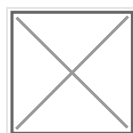
PRODUCT SYNONYMS

Melanocyte-Stimulating Hormone Receptor (MC1R/MSHR); Human Melanocyte-Stimulating Hormone Receptor (MC1R/MSHR) ELISA Kit; MC1R; CMM5; MGC14337; MSH-R; SHEP2; melanocortin 1 receptor; melanotropin receptor; MC1R/MSHR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Melanocyte-stimulating hormone receptor (MC1R/MSHR) ELISA Kit has high sensitivity and excellent specificity for detection of Human MC1R. No significant cross-reactivity or interference between Human MC1R and analogues was observed.
Sequence Length	317
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 Melanocyte-stimulating hormone receptor (MC1R/MSHR) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MC1R/MSHR elisa kit	Description: This Human Melanocyte-stimulating hormone receptor (MC1R/MSHR) ELISA Kit 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 any MC1R 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. Background: 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	193083134
NCBI GeneID	4157
NCBI Accession #	NP_002377.4
NCBI GenBank Nucleotide #	NP_002377.4
UniProt Accession #	Q01726
NCBI Official Full Name	melanocyte-stimulating hormone receptor
NCBI Official Synonym Full Names	melanocortin 1 receptor
NCBI Official Symbol	MC1R
NCBI Official Synonym Symbols	CMM5; MSH-R; SHEP2
NCBI Protein Information	melanocyte-stimulating hormone receptor
UniProt Protein Name	Melanocyte-stimulating hormone receptor
UniProt Gene Name	MC1R
UniProt Synonym Gene Names	MSHR; MSH-R; MC1-R
UniProt Entry Name	MSHR_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.