

Human Melanocortin Receptor 5 (MC5R) ELISA Kit | MC5R elisa kit

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CATALOG #
AAA331848

REACTIVITY
Human

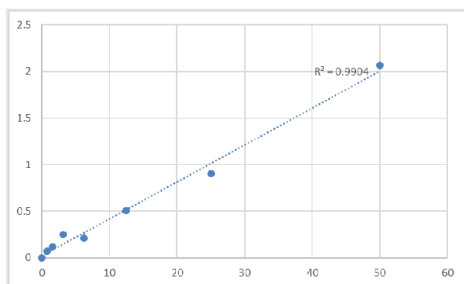
PRODUCT SYNONYMS

Melanocortin Receptor 5 (MC5R); Human Melanocortin Receptor 5 (MC5R) ELISA Kit; MC5R; Melanocortin receptor 5; MC5R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Melanocortin receptor 5 (MC5R) ELISA Kit has high sensitivity and excellent specificity for detection of Human MC5R. No significant cross-reactivity or interference between Human MC5R and analogues was observed.
Sequence Length	325
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 Melanocortin receptor 5 (MC5R) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MC5R elisa kit	Description: This Human Melanocortin receptor 5 (MC5R) ELISA Kit employs a two-site sandwich ELISA to quantitate MC5R in samples. An antibody specific for MC5R has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MC5R present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MC5R 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 MC5R bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Melanocortin receptor 5 is located on the chromosome 18 in the human genome. when the melanocortin 5 receptor was disrupted in transgenic mice, it induced disruption of their exocrine glands and resulted in decreased production of sebum. Melanocortin-1 receptor (MC1R) is found in melanocytes and appears to be the alpha-melanocyte stimulating hormone (MSH) receptor. MC2R is localized to adrenocortical cells and is thus thought to be the ACTH receptor. MC3R and MC4R are localized primarily to sites in the brain. Each receptor has a unique pattern of affinity for the various melanocortin ligands. Gantz et al. (1994) reported the molecular cloning of a novel gene encoding a fifth member of the MCR family in the mouse. Chowdhary et al. (1995) mapped the human MC5R gene to 18p11.2 by fluorescence in situ hybridization.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	5174535
NCBI GeneID	4161
NCBI Accession #	NP_005904.1
NCBI GenBank Nucleotide #	NP_005904.1
UniProt Accession #	P33032
NCBI Official Full Name	melanocortin receptor 5
NCBI Official Synonym Full Names	melanocortin 5 receptor
NCBI Official Symbol	MC5R
NCBI Official Synonym Symbols	MC2
NCBI Protein Information	melanocortin receptor 5
UniProt Protein Name	Melanocortin receptor 5
UniProt Gene Name	MC5R
UniProt Synonym Gene Names	MC5-R
UniProt Entry Name	MC5R_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.