

Human Melanocortin 5 Receptor (MC5R) CLIA Kit | MC5R clia kit

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CATALOG #
AAA130233

REACTIVITY
Human

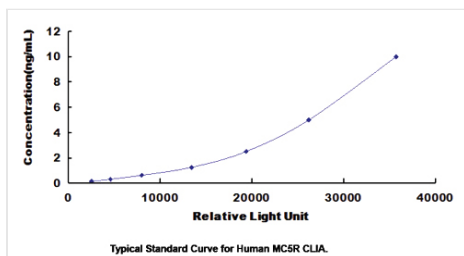
PRODUCT SYNONYMS

Melanocortin 5 Receptor (MC5R); Human Melanocortin 5 Receptor (MC5R) CLIA Kit; MC-2; MC5R clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Melanocortin 5 Receptor (MC5R). No significant cross-reactivity or interference between Melanocortin 5 Receptor (MC5R) and analogues was observed.
Sequence Length	325
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates and other biological fluids
Detection Range	13.7-10,000pg/mL
Sensitivity	5.5pg/mL
Application	Chemiluminescent immunoassay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Melanocortin 5 Receptor (MC5R) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Melanocortin 5 Receptor (MC5R) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MC5R clia kit	The microplate provided in this kit has been pre-coated with an antibody specific to Melanocortin 5 Receptor (MC5R). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Melanocortin 5 Receptor (MC5R). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Melanocortin 5 Receptor (MC5R) level in the sample or standard.;
Product Categories/Family for MC5R clia kit	CD & Adhesion molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174535
NCBI GeneID	4161
NCBI Accession #	NP_005904.1
NCBI GenBank Nucleotide #	NM_005913.2
UniProt Accession #	P33032; Q502V1; B0YJ34
Molecular Weight	36,601 Da
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.

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Online datasheet: <https://stage.aaabiotech.com/human-clia-kits/melanocortin-5-receptor-mc5r/130233>