

Human Melanocortin receptor 5 ELISA Kit | MC5R elisa kit

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CATALOG #
AAA100493

REACTIVITY
Human

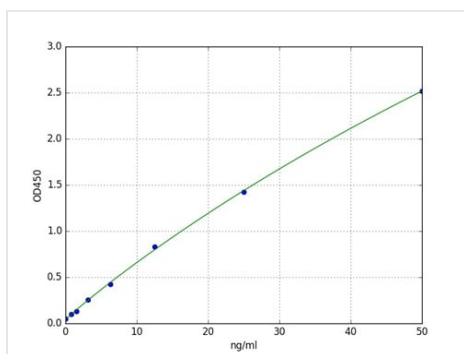
PRODUCT SYNONYMS

Melanocortin receptor 5; Human Melanocortin receptor 5 ELISA Kit; MC5R/MC5-R/MC-2/MC5-R/melanocortin 5 receptor/melanocortin receptor 5/melanocortin-5 receptor; MC5R elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	325
Assay Type	Sandwich ELISA, Double Antibody
Samples	cell or tissue lysate, Other liquid samples
Detection Range	0.781-50ng/ml
Sensitivity	0.469ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human MC5R ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.781	1.563	3.125	6.25	12.5	25	50
Y	OD450	0.049	0.107	0.136	0.215	0.377	0.686	1.601	2.160

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MC5R elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human MC5R antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human MC5R antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human MC5R amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human MC5R can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5174535
NCBI GeneID	4161
NCBI Accession #	NP_005904.1
NCBI GenBank Nucleotide #	NM_005913.2
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/mc5r-human-elisa-kits/melanocortin-receptor-5/100493>