

Mouse Metabotropic glutamate receptor 5 ELISA Kit | Grm5 elisa kit

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CATALOG #
AAA102208

REACTIVITY
Mouse

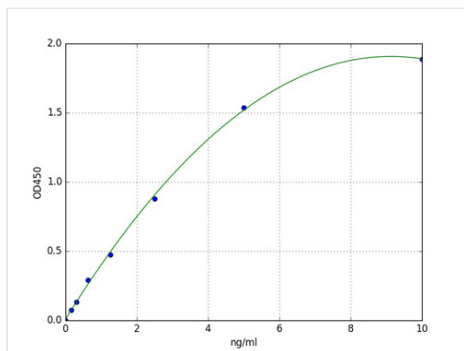
PRODUCT SYNONYMS

Metabotropic glutamate receptor 5; Mouse Metabotropic glutamate receptor 5 ELISA Kit; Grm5/mGluR5/Gprc1e/Mglur5; Grm5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Sequence Length	1203
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/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 Mouse Grm5 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	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.039	0.200	0.315	0.643	0.988	1.374	1.856	2.087

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Grm5 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Mouse Grm5 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Mouse Grm5 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 Mouse Grm5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Mouse Grm5 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #

219801747

NCBI GeneID	108071
NCBI Accession #	NP_001137306.1
NCBI GenBank Nucleotide #	NM_001143834.1
Molecular Weight	33,648 Da
NCBI Official Full Name	metabotropic glutamate receptor 5 isoform b
NCBI Official Synonym Full Names	glutamate receptor, metabotropic 5
NCBI Official Symbol	Grm5
NCBI Official Synonym Symbols	Glu5R; Gprc1e; mGluR5; mGluR5b; AI850523; 6430542K11Rik
NCBI Protein Information	metabotropic glutamate receptor 5
UniProt Protein Name	Metabotropic glutamate receptor 5
UniProt Gene Name	Grm5
UniProt Synonym Gene Names	Gprc1e; Mglur5; mGluR5
UniProt Entry Name	GRM5_MOUSE

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/grm5-mouse-elisa-kits/metabotropic-glutamate-receptor-5/102208>