

Mouse Metabotropic glutamate receptor 2 (GRM2) ELISA Kit | GRM2 elisa kit

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CATALOG #
AAA245531

REACTIVITY
Mouse

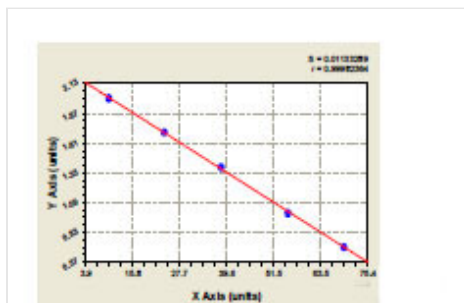
PRODUCT SYNONYMS

Metabotropic glutamate receptor 2 (GRM2); Mouse Metabotropic glutamate receptor 2 (GRM2) ELISA Kit; GRM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	25-500ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GRM2 elisa kit

Intended Uses: This GRM2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GRM2.

Principle of the Assay: GRM2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a Polyclonal anti-GRM2 antibody and an GRM2-HRP conjugate. The assay sample and buffer are incubated together with GRM2-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the GRM2 concentration since GRM2 from samples and GRM2-HRP conjugate compete for the anti-GRM2 antibody binding site. Since the number of sites is limited, as more sites are occupied by GRM2 from the sample, fewer sites are left to bind GRM2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GRM2 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GRM2 elisa kit

[Neurobiology](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	66529100
NCBI GeneID	2912
NCBI Accession #	NP_000830.2
NCBI GenBank Nucleotide #	NM_000839.3
Molecular Weight	95,568 Da
NCBI Official Full Name	metabotropic glutamate receptor 2 isoform a
NCBI Official Synonym Full Names	glutamate receptor, metabotropic 2
NCBI Official Symbol	GRM2
NCBI Official Synonym Symbols	GLUR2; mGlu2; GPRC1B; MGLUR2
NCBI Protein Information	metabotropic glutamate receptor 2; glutamate receptor homolog; glutamate metabotropic receptor 2
UniProt Protein Name	Metabotropic glutamate receptor 2
UniProt Gene Name	GRM2
UniProt Synonym Gene Names	GPRC1B; MGLUR2; mGluR2
UniProt Entry Name	GRM2_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://www.aaabiotech.com/mouse-elisa-kits/metabotropic-glutamate-receptor-2-grm2/245531>