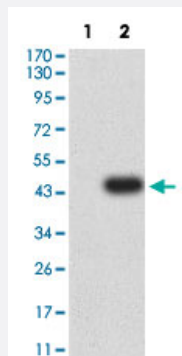


GRM7 monoclonal antibody, clone 7G8A2

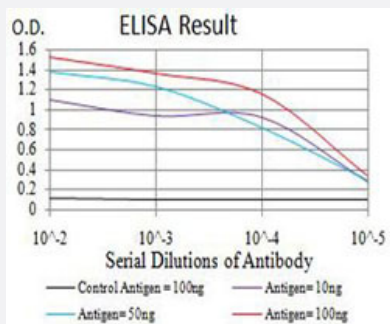
Catalog # MAB17923 Size 100 ug

Applications



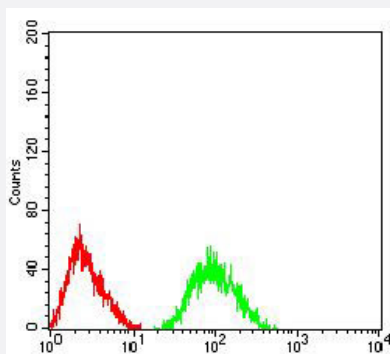
Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: GRM7-hlgGfc transfected HEK293 cell lysates with GRM7 monoclonal antibody, clone 7G8A2 (Cat # MAB17923).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with GRM7 monoclonal antibody, clone 7G8A2 (Cat # MAB17923).



Flow Cytometry

Flow cytometric analysis of SH-SY5Y cells with GRM7 monoclonal antibody, clone 7G8A2 (Cat # MAB17923) (Green). Red: Negative Control.

Specification

Product Description

Mouse monoclonal antibody raised against partial recombinant human GRM7.

Immunogen	Recombinant protein corresponding to amino acids 454-590 of human GRM7.
Host	Mouse
Theoretical MW (kDa)	102.3
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Flow Cytometry (1:200-1:400) Western Blot (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: GRM7-hlgGfc transfected HEK293 cell lysates with GRM7 monoclonal antibody, clone 7G8A2 (Cat # MAB17923).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with GRM7 monoclonal antibody, clone 7G8A2 (Cat # MAB17923).

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Flow cytometric analysis of SH-SY5Y cells with GRM7 monoclonal antibody, clone 7G8A2 (Cat # MAB17923) (Green). Red: Negative Control.

Gene Info — GRM7

Entrez GeneID	2917
Protein Accession#	Q14831
Gene Name	GRM7

Gene Alias	FLJ40498, GLUR7, GPRC1G, MGLUR7, mGlu7
Gene Description	glutamate receptor, metabotropic 7
Omim ID	604101
Gene Ontology	Hyperlink
Gene Summary	L-glutamate is the major excitatory neurotransmitter in the central nervous system, and it activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. The metabotropic glutamate receptors are a family of G protein-coupled receptors that have been divided into three groups on the basis of sequence homology, putative signal transduction mechanisms, and pharmacologic properties. Group I includes GRM1 and GRM5, and these receptors have been shown to activate phospholipase C. Group II includes GRM2 and GRM3, while Group III includes GRM4, GRM6, GRM7 and GRM8. Group II and III receptors are linked to the inhibition of the cyclic AMP cascade but differ in their agonist selectivities. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]
Other Designations	-

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcohol Withdrawal Delirium](#)
- [Alcohol Withdrawal Seizures](#)
- [Alcoholism](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Bipolar Disorder](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
- [Edema](#)

- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Mental Disorders](#)
- [Mental Retardation](#)
- [Presbycusis](#)
- [Psychotic Disorders](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)