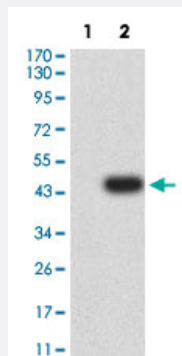


GRM8 monoclonal antibody, clone 4C1C1

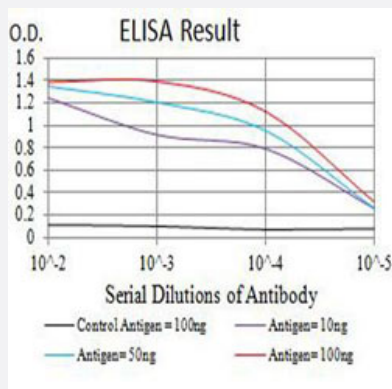
Catalog # MAB17998 Size 100 ug

Applications



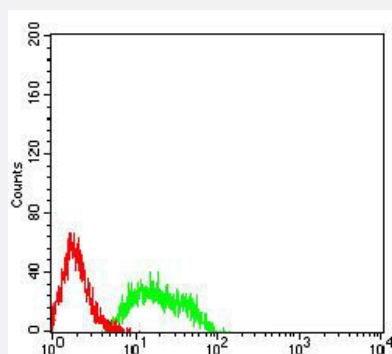
Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: GRM8-hlgGfC transfected HEK293 cell lysates with GRM8 monoclonal antibody, clone 4C1C1 (Cat # MAB17998).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with GRM8 monoclonal antibody, clone 4C1C1 (Cat # MAB17998).



Flow Cytometry

Flow cytometric analysis of SK-N-SH cells with GRM8 monoclonal antibody, clone 4C1C1 (Cat # MAB17998) (Green). Red: Negative Control.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human GRM8.
Immunogen	Recombinant protein corresponding to amino acids 440-583 of human GRM8.
Host	Mouse
Theoretical MW (kDa)	101.7
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: GRM8-hlgGFc transfected HEK293 cell lysates with GRM8 monoclonal antibody, clone 4C1C1 (Cat # MAB17998).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with GRM8 monoclonal antibody, clone 4C1C1 (Cat # MAB17998).

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Flow cytometric analysis of SK-N-SH cells with GRM8 monoclonal antibody, clone 4C1C1 (Cat # MAB17998) (Green). Red: Negative Control.

Gene Info — GRM8

Entrez GeneID [2918](#)

Protein Accession# [O00222](#)

Gene Name	GRM8
Gene Alias	FLJ41058, GLUR8, GPRC1H, MGC126724, MGLUR8, mGlu8
Gene Description	glutamate receptor, metabotropic 8
Omim ID	601116
Gene Ontology	Hyperlink
Gene Summary	L-glutamate is the major excitatory neurotransmitter in the central nervous system and 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 3 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. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq]
Other Designations	OTTHUMP00000024506 glutamate metabotropic receptor 8

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcohol Withdrawal Delirium](#)
- [Alcohol Withdrawal Seizures](#)
- [Alcoholism](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [Brain Ischemia](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Colitis](#)

- [Coronary Disease](#)
- [Crohn Disease](#)
- [Genetic Predisposition to Disease](#)
- [Heroin Dependence](#)
- [Inflammatory Bowel Diseases](#)
- [Myocardial Infarction](#)
- [NARP](#)
- [Opioid-Related Disorders](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Stroke](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)