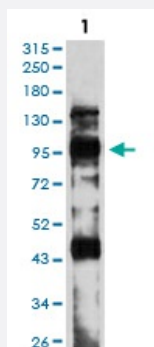


GRM8 monoclonal antibody, clone 4C1C1

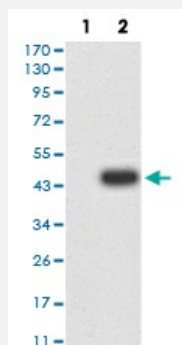
Catalog # MAB17637 Size 100 ug

Applications



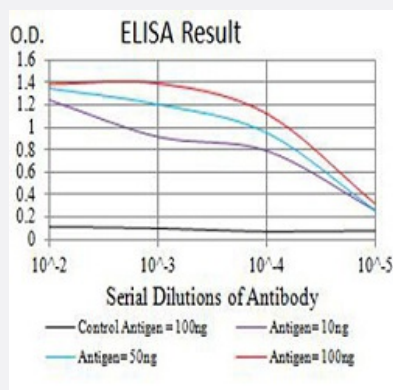
Western Blot (Cell lysate)

Western blot analysis of C6 cell with GRM8 monoclonal antibody.



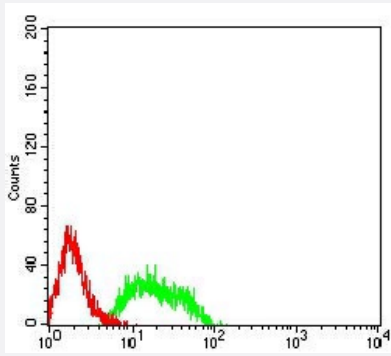
Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) GRM8-hlgGFc transfected HEK293 cell lysate.



Enzyme-linked Immunoabsorbent Assay

ELISA analysis of GRM8 monoclonal antibody, clone 4C1C1.



Flow Cytometry

Flow cytometric analysis of SK-N-SH cells with GRM8 monoclonal antibody (green) and negative control (red).

Specification

Product Description	Mouse monoclonal antibody raised against recombinant human GRM8.
Immunogen	Recombinant protein corresponding to amino acid 440-583 of human GRM8 from <i>E. coli</i> .
Host	Mouse
Theoretical MW (kDa)	101.7
Reactivity	Human
Form	Liquid
Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunocytochemistry Flow Cytometry (1:200-1:400) Immunohistochemistry 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 (Cell lysate)

Western blot analysis of C6 cell with GRM8 monoclonal antibody.

- Western Blot (Transfected lysate)

Western blot analysis of (1) HEK293 cells, (2) GRM8-hlgGfc transfected HEK293 cell lysate.

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis of GRM8 monoclonal antibody, clone 4C1C1.

- Flow Cytometry

Flow cytometric analysis of SK-N-SH cells with GRM8 monoclonal antibody (green) and negative control (red).

Gene Info — GRM8

Entrez GeneID [2918](#)

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](#)