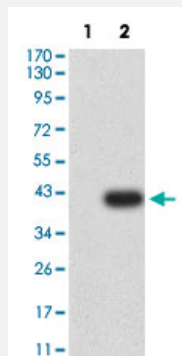


# GRM6 monoclonal antibody, clone 4C11E12

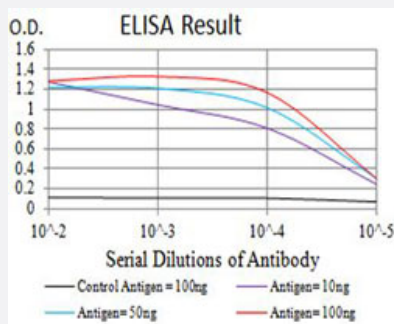
Catalog # MAB17945      Size 100 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: GRM6-hlgGfC transfected HEK293 cell lysates with GRM6 monoclonal antibody, clone 4C11E12 (Cat # MAB17945).



### Enzyme-linked Immunoabsorbent Assay

ELISA analysis with GRM6 monoclonal antibody, clone 4C11E12 (Cat # MAB17945).

## Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human GRM6.
Immunogen	Recombinant protein corresponding to amino acids 480-585 of human GRM6.
Host	Mouse
Theoretical MW (kDa)	95.5
Reactivity	Human
Form	Liquid

Isotype	IgG1
Recommend Usage	ELISA (1:10000) 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: GRM6-hlgFc transfected HEK293 cell lysates with GRM6 monoclonal antibody, clone 4C11E12 (Cat # MAB17945).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with GRM6 monoclonal antibody, clone 4C11E12 (Cat # MAB17945).

## Gene Info — GRM6

Entrez GeneID	<a href="#">2916</a>
Protein Accession#	<a href="#">O15303</a>
Gene Name	GRM6
Gene Alias	CSNB1B, DKFZp686H1993, GPRC1F, MGLUR6, mGlu6
Gene Description	glutamate receptor, metabotropic 6
Omim ID	<a href="#">257270 604096</a>
Gene Ontology	<a href="#">Hyperlink</a>

**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. [provided by RefSeq]

**Other Designations**

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**Pathway**

- [Neuroactive ligand-receptor interaction](#)

**Disease**

- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Heroin Dependence](#)
- [Mental Disorders](#)
- [Myopia](#)
- [Opioid-Related Disorders](#)
- [Retinal Diseases](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)