



Mouse anti-Human GRM8 monoclonal antibody, clone 5B8 (CABT-B10368)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Immunogen	GRM8 (NP_000836, 486 a.a. ~ 576 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	5B8
Conjugate	Unconjugated
Applications	WB, sELISA, ELISA
Sequence Similarities	KVIGHWTNQLHLKVEDMQWAHREHTHPASVCSLPCKPGERKKTVKGVPCCWHCERCEGYN YQVDELSCELCPPLDQRPNMNRTGCQLIPII*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	L-glutamate is the major excitatory neurotransmitter in the central nervous system and activates both ionotropic and metabotropic glutamate receptors. Glutamatergic neurotransmission is
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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, Jul 2008]

Keywords	GRM8; glutamate receptor, metabotropic 8; GLUR8; mGlu8; GPRC1H; MGLUR8; metabotropic glutamate receptor 8;
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GENE INFORMATION

Entrez Gene ID	2918
UniProt ID	O00222
Pathway	Class C/3 (Metabotropic glutamate/pheromone receptors), organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; GPCRs, Class C Metabotropic glutamate, pheromone, organism-specific biosystem; GPCRs, Other, organism-specific biosystem; Glutamatergic synapse, organism-specific biosystem; Glutamatergic synapse, conserved biosystem
Function	G-protein coupled receptor activity; glutamate receptor activity; group III metabotropic glutamate receptor activity; receptor activity
