ANGIO-PROTEOMIE
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DATA SHEET

Mouse Monoclonal Antibody to GRM8

Cataloge Number	sAP-1747
Target Molecule	**Name: GRM8** **Aliases:** GLUR8; mGlu8; GPRC1H; MGLUR8 **MW: 101.7kDa** **Entrez Gene ID: 2918**
Descrption	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.
Immunogen	Purified recombinant fragment of human GRM8 (AA: extra 440-583) expressed in E. Coli.
Recitative Species	Human;
Clone	MM4C1C1
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstitued with 100µl sterile DI H2O, at stored at 4°C or -20°C for short or long term storage
Applications	ELISA: 1 to 10000; WB: 1 to 500 - 1 to 2000; ICC: N to A; FCM: 1 to 200 - 1 to 400; IHC: N to A
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Hereditas. 2014 Dec;151(6):140-4. 2.Am J Med Genet B Neuropsychiatr Genet. 2009 Apr 5;150B(3):359-68.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only

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