

## Mouse Monoclonal Antibody to GRM5

Catalogue Number	sAP-1590
Target Molecule	<b>Name:</b> GRM5 <b>Aliases:</b> mGlu5; GPRC1E; MGLUR5; PPP1R86 <b>MW:</b> 132.5kDa <b>Entrez Gene ID:</b> 2915
Description	<p>This gene encodes a member of the G-protein coupled receptor 3 protein family. The encoded protein is a metabotropic glutamate receptor, whose signaling activates a phosphatidylinositol-calcium second messenger system. This protein may be involved in the regulation of neural network activity and synaptic plasticity. Glutamatergic neurotransmission is involved in most aspects of normal brain function and can be perturbed in many neuropathologic conditions. A pseudogene of this gene has been defined on chromosome 11. Alternative splicing results in multiple transcript variants.</p>
Immunogen	Purified recombinant fragment of human GRM5 (AA: extra 458-580) expressed in E. Coli.
Reactive Species	Human;
Clone	MM1A11D10
Size and Concentration	100µg/1mg/ml
Supplied as	Lyophilized Powder from 100µl of Purified antibody in PBS with 0.05% sodium azide
Reconstitution/Storages	Reconstituted 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: 1 to 200 - 1 to 1000; FCM: N to A; IHC: 1 to 200 - 1 to 1000
Shipping	Regular FEDEX overnight shipment (ambient temperature)
Reference	1.Curr Alzheimer Res. 2014;11(7):694-705.2.Int J Neuropsychopharmacol. 2014 Dec;17(12):1915-22.

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**