

Mouse Monoclonal Antibody to GRM1

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| Catalogue Number | sAP-1615 |
| Target Molecule | <p>Name: GRM1</p> <p>Aliases: MGLU1; GPRC1A; MGLUR1; SCAR13; PPP1R85</p> <p>MW: 132.4kDa</p> <p>Entrez Gene ID: 2911</p> |
| Description | This gene encodes a metabotropic glutamate receptor that functions by activating phospholipase C. 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 canonical alpha isoform of the encoded protein is a disulfide-linked homodimer whose activity is mediated by a G-protein-coupled phosphatidylinositol-calcium second messenger system. This gene may be associated with many disease states, including schizophrenia, bipolar disorder, depression, and breast cancer. Alternative splicing results in multiple transcript variants encoding different isoforms. |
| Immunogen | Purified recombinant fragment of human GRM1 (AA: extra 387-486) expressed in E. Coli. |
| Reactive Species | Human; |
| Clone | MM5E12D8 |
| 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 H ₂ O, 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: N to A; IHC: N to A |
| Shipping | Regular FEDEX overnight shipment (ambient temperature) |
| Reference | 1.Breast Cancer Res Treat. 2015 May;151(1):57-73.2.PLoS One. 2013 Jul 26;8(7):e69851. |

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**