

Mouse Monoclonal Antibody to GRM1

Catalogue Number	sAP-1615
Target Molecule	Name: GRM1 Aliases: MGLU1; GPRC1A; MGLUR1; SCAR13; PPP1R85 MW: 132.4kDa
Description	Entrez Gene ID: 2911 <p>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.</p>
Immunogen	Purified recombinant fragment of human GRM1 (AA: extra 387-486) expressed in E. Coli.
Recitative 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 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: 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**