

## Anti-mGluR5/GRM5 Antibody (Monoclonal, 31G84)

Catalog Number: M01338-2

### About GRM5

Metabotropic glutamate receptor 5 is a G protein-coupled receptor that in humans is encoded by the GRM5 gene. It is mapped to 11q14.2-q14.3. 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.

### Overview

Product Name	Anti-mGluR5/GRM5 Antibody (Monoclonal, 31G84)
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-mGluR5/GRM5 Antibody (Monoclonal, 31G84) catalog # M01338-2. Tested in WB, IHC, IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, WB
Clonality	Monoclonal 31G84
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P41594

### Technical Details

Immunogen	Synthetic peptide within Human mGluR5 aa 1165-1210.
Form	Liquid
Concentration	500 ug/ml
Purification	Protein A affinity purified.

Suggested Dilutions

Western blot, 1:500-2000  
Immunohistochemistry, 1:50-200  
Immunofluorescence, 1:50-200  
ImmunoPrecipitation, 1:50

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