

GRM8
Purified Mouse Monoclonal Antibody
Catalog # AO2745a**Specification**

GRM8 - Product Information

Application	WB, IHC, ICC, E
Primary Accession	O00222
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse IgG1
Calculated MW	101.7kDa KDa
Immunogen	

Purified recombinant fragment of human GRM8 (AA: extra 440-583) expressed in E. Coli.

Formulation

Purified antibody in PBS with 0.05% sodium azide

GRM8 - Additional Information

Gene ID 2918

Other Names

GLUR8; mGlu8; GPRC1H; MGLUR8

Dilution

WB~~ 1/500 - 1/2000

IHC~~1:100~500

ICC~~N/A

E~~ 1/10000

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

GRM8 is for research use only and not for use in diagnostic or therapeutic procedures.

GRM8 - Protein Information

Name GRM8

Synonyms GPRC1H, MGLUR8

Function

G-protein coupled receptor for glutamate. Ligand binding causes a conformation change that

triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of down-stream effectors, such as adenylate cyclase. Signaling inhibits adenylate cyclase activity.

Cellular Location

Cell membrane; Multi-pass membrane protein.

GRM8 - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

GRM8 - Images

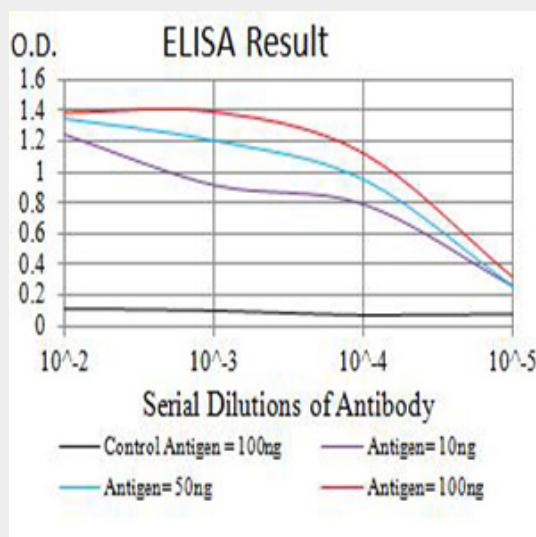


Figure 1: Black line: Control Antigen (100 ng); Purple line: Antigen (10 ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)

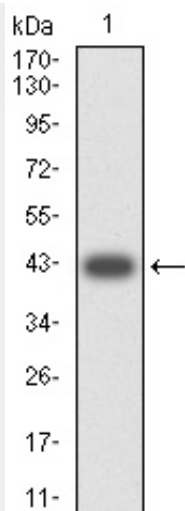


Figure 2: Western blot analysis using GRM8 mAb against human GRM8 (AA: extra 440-583) recombinant protein. (Expected MW is 42.6 kDa)

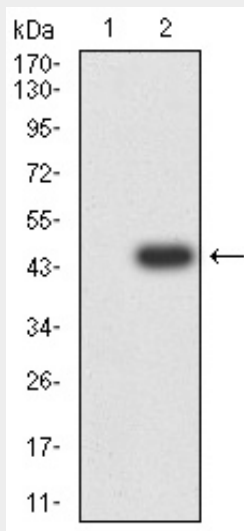


Figure 3: Western blot analysis using GRM8 mAb against HEK293 (1) and GRM8 (AA: extra 440-583)-hlgGfC transfected HEK293 (2) cell lysate.

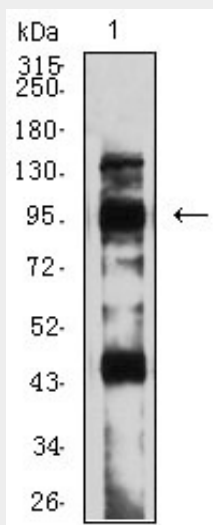


Figure 4:Western blot analysis using GRM8 mouse mAb against C6 (1) cell lysate.

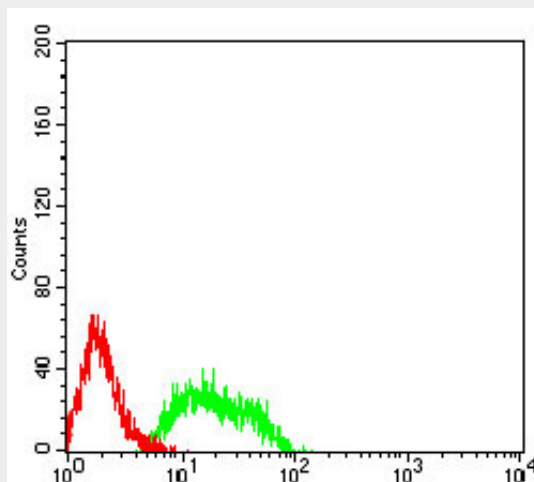


Figure 5:Flow cytometric analysis of SK-N-SH cells using GRM8 mouse mAb (green) and negative control (red).

GRM8 - References

- 1.Hereditas. 2014 Dec;151(6):140-4.
- 2.Am J Med Genet B Neuropsychiatr Genet. 2009 Apr 5;150B(3):359-68.