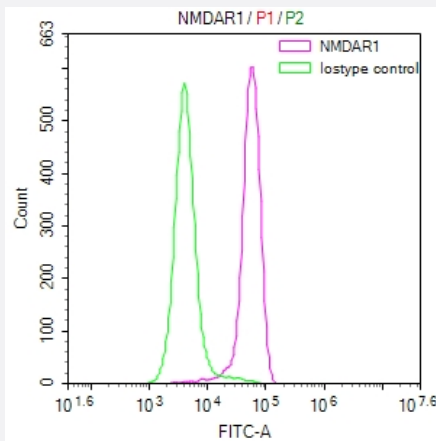


RecomAb™

GRIN1 recombinant monoclonal antibody, clone 24F5

Catalog # RAB07786 Size 100 uL

Applications



Flow Cytometry

Overlay Peak curve showing SH-SY5Y cells stained with GRIN1 recombinant monoclonal antibody, clone 24F5 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human GRIN1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human GRIN1.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)

Storage Instruction

Store at -20°C or -80°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Flow Cytometry

Overlay Peak curve showing SH-SY5Y cells stained with GRIN1 recombinant monoclonal antibody, clone 24F5 (red line) at 1:50.

Gene Info — GRIN1

Entrez GeneID

[2902](#)

Protein Accession#

[Q05586](#)

Gene Name

GRIN1

Gene Alias

NMDA1, NMDAR1, NR1

Gene Description

glutamate receptor, ionotropic, N-methyl D-aspartate 1

Omim ID

[138249](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a critical subunit of N-methyl-D-aspartate receptors, members of the glutamate receptor channel superfamily which are heteromeric protein complexes with multiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the plasticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are thought to control expression of different isoforms, possibly contributing to the functional diversity of the subunits. Alternatively spliced transcript variants have been described. [provided by RefSeq]

Other Designations

N-methyl-D-aspartate receptor channel, subunit zeta-1|NMDA receptor 1|OTTHUMP00000022678|glutamate [NMDA] receptor subunit zeta 1

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

- [Calcium signaling pathway](#)
- [Long-term potentiation](#)
- [Neuroactive ligand-receptor interaction](#)

Disease

- [Alcohol Withdrawal Seizures](#)
- [Alcoholism](#)
- [Alcohol-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Bipolar Disorder](#)
- [Body Weight](#)
- [Bulimia](#)
- [Cognition](#)
- [Disease Models](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Parkinson Disease](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Spasms](#)
- [Substance Withdrawal Syndrome](#)
- [Weight Gain](#)
- [Weight Loss](#)