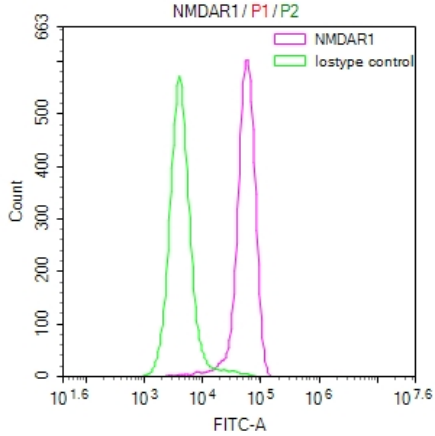
RecomAb™

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
Preparation Method	Mammalian cell (HEK293) expression system
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.

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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 shoul d be handled by trained staff only.

Applications

- Flow Cytometry

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

- Enzyme-linked Immunoabsorbent Assay

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, member s of the glutamate receptor channel superfamily which are heteromeric protein complexes with mu ltiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the pl asticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are t hought to control expression of different isoforms, possibly contributing to the functional diversity o f 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|OTTHUMP0000002267 8|glutamate [NMDA] receptor subunit zeta 1

Pathway

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- 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

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