Mouse GRIN1/NMDAR1
Alexa Fluor® 488-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 1031915

Catalog Number: IC10655G

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse GRIN1/NMDAR1 in direct ELISAs.
Source	Monoclonal Rat IgG_{2A} Clone # 1031915
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse GRIN1/NMDAR1 Met1-Gln559
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10^6 cells	NS0 cells transfected with Mouse GRIN1/NMDAR1

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** • 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Grin-1 is a critical component of NMDA receptors. Expressed in the brain, these components play a key role in plasticity of synapses, which is believed to underlie memory and learning. Missense variants of the receptor components cause similar syndromes with varying severity of intellectual impairment, autism, epilepsy, and motor dysfunction. In Mice with reduced NMDA receptor activity, schizophrenia-like behaviors are revealed.

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