

# Mouse GRIN1/NMDAR1 Alexa Fluor® 750-conjugated Antibody

Monoclonal Rat IgG<sub>2A</sub> Clone # 1031915

Catalog Number: IC10655S

100 µg

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse GRIN1/NMDAR1 in direct ELISAs.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 1031915
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse GRIN1/NMDAR1 Met1-Gln559
<b>Conjugate</b>	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
<b>Formulation</b>	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.

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

## PREPARATION AND STORAGE

<b>Shipping</b>	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
<b>Stability &amp; Storage</b>	<b>Protect from light. Do not freeze.</b> <ul style="list-style-type: none"> <li>12 months from date of receipt, 2 to 8 °C as supplied.</li> </ul>

## 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.

## PRODUCT SPECIFIC NOTICES

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