

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human mGluR2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with the N-terminal regions of recombinant human mGluR1, -3, -4, -5, -7, or -8 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 455310
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant human mGluR2 Glu19-Ser498 Accession # Q14416
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details.  *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	U-118-MG human glioblastoma/astrocytoma cell line fixed with paraformaldehyde and permeabilized with saponin

#### 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

Metabotropic glutamate receptor 2 (mGluR2) is an 872 aa, predicted 96 kDa multipass G protein coupled inhibitory receptor belonging to group II of the metabotropic glutamate receptor family. It is localized largely on the presynaptic side of glutamatergic and other neurotransmitter synapses in areas of the forebrain. mGluR2 activity is potentially involved in some anxiety disorders. The long N-terminal extracellular region of human mGluR2 (aa 1-498) shares 97% aa identity with either mouse or rat mGluR2.

#### PRODUCT SPECIFIC NOTICES

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