

#### DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Stains human GPR34 transfectants but not irrelevant transfectants.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 419859
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human GPR34 Accession # Q9UPC5
<b>Conjugate</b>	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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	A172 human glioblastoma cell line fixed with paraformaldehyde and permeabilized with saponin

#### 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

GPR34 is a widely expressed 75-90 kDa seven transmembrane segment glycoprotein. It is upregulated on microglia during inflammation and functions as a receptor for lysophosphatidyl-L-serine on mast cells to promote degranulation. Multiple isoforms of GPR34 may result from multiple translation initiation sites and alternative splicing. Human GPR34 shares 89% amino acid sequence identity with mouse and rat GPR34.

#### PRODUCT SPECIFIC NOTICES

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