

# Human Prokineticin R1/PROKR1 Alexa Fluor® 647-conjugated Antibody

Monoclonal Mouse IgG<sub>2B</sub> Clone # 420849

Catalog Number: FAB4655R

100 µg

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Prokineticin R1/PKR1. Stains human Prokineticin R1/PKR1 transfectants but not irrelevant transfectants.
<b>Source</b>	Monoclonal Mouse IgG <sub>2B</sub> Clone # 420849
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	NS0 mouse myeloma cell line transfected with human Prokineticin R1/PKR1 Met1-Lys393 Accession # Q8TCW9
<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>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	Human blood-derived monocytes

## 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

Prokineticin Receptor 1 (PKR1), also called ZAQ or GPR73a (G-protein coupled receptor 73a), is a 7-transmembrane glycoprotein of the GPCR family. The extracellular portions of human PKR1 share 81% and 78% aa identity with corresponding portions of mouse PKR1 and human PKR2, with non-identity mainly in the N-terminal sequences. Both PKR1 and PKR2 mediate the effects of prokineticins 1 and 2. This includes mitogenic regulation of angiogenesis in endocrine glands and stimulation of contraction in gastrointestinal smooth muscle.

## PRODUCT SPECIFIC NOTICES

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