Human Prokineticin R1/PROKR1 Antibody

Monoclonal Mouse IgG_{2B} Clone # 420849

Catalog Number: MAB4655

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Prokineticin R1/PKR1. Stains human Prokineticin R1/PKR1 transfectants but not irrelevant transfectants.
Source	Monoclonal Mouse IgG_{2B} Clone # 420849
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human Prokineticin R1/PKR1 Met1-Lys393 Accession # Q8TCW9
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

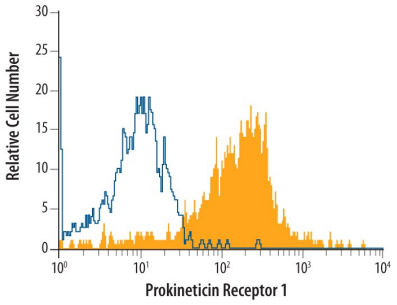
APPLICATIONS

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
Flow Cytometry	2.5 µg/10^6 cells	See Below

DATA

Flow Cytometry



Detection of Prokineticin R1/PKR1 in Human Monocytes by Flow Cytometry. Human blood-derived monocytes were stained with Human Prokineticin R1/PKR1 Monoclonal Antibody (Catalog # MAB4655, filled histogram) or isotype control antibody (Catalog # MAB0041, open histogram), followed by Allophycocyanin-conjugated Anti-Mouse IgG $F(ab')_2$ Secondary Antibody (Catalog # F0101B).

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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.

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