

Product Datasheet

Anti-Kir2.2 K⁺ Channel Antibody FL650 Conjugate

Overview

Catalog #	75-203-FL650
Conjugate	FL650 Ex: 655 nm, Em: 676 nm
Isotype	IgG1
Clone Number	N124B/38
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC
Species Reactivity	Rat
Immunogen	Synthetic peptide amino acids 390-410 (cytoplasmic C-terminus) of rat Kir2.2 (accession number P52188)
Molecular Weight	48 kDa
Cite this Antibody	Antibodies Inc Cat# 75-203-FL650, RRID: AB_2939755

Details

Target Description	ATP-sensitive inward rectifier potassium channel 12or Kir2.2 is encoded by the gene KCNJ12. Kir2.2 is a member of the inward rectifier potassium ion channel family and plays a role controlling the resting membrane potential in muscle cells and neurons. Kir2.2 is an integral membrane protein that is expressed in heart, brain and in aortic endothelial cells. In brain, Kir2.2 is expressed throughout the forebrain and cerebellum. Diseases associated with KCNJ12 include Smith-Magenis Syndrome and Leber Congenital Amaurosis 16.
Specificity	No cross-reactivity against Kir2.1 or Kir2.3
Purification Method	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography and conjugation of purified mAb. Purified mAbs are >90% specific antibody.
Quality Control Tests	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.

Storage

Aliquot and store at $\leq -20^{\circ}\text{C}$ for long term storage. For short term storage, store at $2-8^{\circ}\text{C}$. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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