

## Product Datasheet

Anti-Kir2.2 K<sup>+</sup> Channel Antibody FL490 Conjugate

## Overview

<b>Catalog #</b>	75-203-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N124B/38
<b>Size</b>	200 µL
<b>Concentration</b>	0.5 mg/mL
<b>Host Species</b>	Mouse Monoclonal
<b>Format</b>	Purified by Protein A chromatography
<b>Buffer</b>	PBS with 0.09% azide
<b>Applications</b>	ICC
<b>Species Reactivity</b>	Rat
<b>Immunogen</b>	Synthetic peptide amino acids 390-410 (cytoplasmic C-terminus) of rat Kir2.2 (accession number P52188)
<b>Molecular Weight</b>	48 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-203-FL490, RRID: AB_2939752

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	No cross-reactivity against Kir2.1 or Kir2.3
<b>Purification Method</b>	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.
<b>Quality Control Tests</b>	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.

**Our Guarantee**

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As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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