

Product Datasheet

Anti-Kir6.2 Potassium Channel Antibody FL490 Conjugate



Overview

Catalog #	75-393-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N363/71
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, IHC
Species Reactivity	Mouse and Rat
Immunogen	Fusion protein amino acids 345-390 (TARQLDEDRSLLDALTLASSRGPLRKRSVAVAKAKPKFSISPDSLS, cytoplasmic C-terminus) of rat Kir6.2 (accession number P70673) produced recombinantly in E. Coli
Molecular Weight	45 kDa
Cite this Antibody	Antibodies Inc Cat# 75-393-FL490, RRID: AB_2940292

Details

Target Description	ATP-sensitive inward rectifier potassium channel 11 or Kir6.2 is encoded by the gene KCNJ11. Kir6.2 is an integral membrane protein which has a greater tendency to allow potassium to flow into a cell rather than out of a cell, is controlled by G-proteins. Kir6.2 has broad expression in many tissues including brain, heart, pancreas (beta cells) and thyroid. Diseases associated with this gene include several forms of diabetes.
Specificity	Does not cross-react with Kir6.1
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 ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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