

Product Datasheet

Anti-Kir6.2 Potassium Channel Antibody FL550 Conjugate



Overview

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| Catalog # | 75-393-FL550 |
| Conjugate | FL550 Ex: 550 nm, Em: 575 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 (TARQLDEDRSLLDALTLASSRGPLRKRSVAVAKAKPKFSISPDSL, 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-FL550, RRID: AB_2940293 |

Details

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| 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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