

Product Datasheet

Anti-SUR1 and SUR2B Antibody FL490 Conjugate



Overview

Catalog #	75-298-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N323A/31
Size	200 μ L
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 1503-1545 (VHTILTADLVIVMKRGNILEYDTPESLLAQEDGVFASFVRADM, cytoplasmic C-terminus) of rat SUR2B (accession number Q63563-2) produced recombinantly in E. Coli
Molecular Weight	175 kDa (and smaller fragments likely due to proteolytic cleavage)
Cite this Antibody	Antibodies Inc Cat# 75-298-FL490, RRID: AB_2940044

Details

Target Description	SUR1 and SUR2B are members of the ATP binding cassette transporter subfamily C. These proteins combine with KCNJ8(Kir6.1) or KCNJ11(Kir6.2) to form K ⁺ ATP channels and are involved in their regulation and activation.
Specificity	Cross-reacts with SUR1
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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