

## Product Datasheet

## Anti-SUR1 and SUR2B Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-298-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N323A/31
<b>Size</b>	200 $\mu$ L
<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, IHC
<b>Species Reactivity</b>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 1503-1545 (VHTILTADLVIVMKRGNILEYDTPESLLAQEDGVFASFVRADM, cytoplasmic C-terminus) of rat SUR2B (accession number Q63563-2) produced recombinantly in E. Coli
<b>Molecular Weight</b>	175 kDa (and smaller fragments likely due to proteolytic cleavage)
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-298-FL594, RRID: AB_2940046

## Details

<b>Target Description</b>	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 <sup>+</sup> ATP channels and are involved in their regulation and activation.
<b>Specificity</b>	Cross-reacts with SUR1
<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.
<b>Storage</b>	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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