

## Product Datasheet

Anti-Slo2.2/Slack K<sup>+</sup> Channel Antibody FL550 Conjugate

## Overview

<b>Catalog #</b>	75-051-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N3/26
<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, IHC
<b>Species Reactivity</b>	Human, Marine Mollusk, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 1168-1237 of rat Slo2.2 (accession number NP_068625) produced recombinantly in E. Coli
<b>Molecular Weight</b>	140 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-051-FL550, RRID: AB_2939225

## Details

<b>Target Description</b>	Potassium channel subfamily T member 1 or -KCNT1/Slo2.2/Slack K <sup>+</sup> channel is encoded by the gene KCNT1. Slo2.2 is a member of the the voltage-gated ion channel (vic) superfamily, and the KCNT protein family, which is made of KCNT1 and KCNT2. Slo2.2 functions as an outwardly rectifying potassium channel subunit to contribute to ion conductance and signaling pathways. Slo2.2 can be activated by high intracellular sodium or chloride levels. Slo2.2 is expressed at the membrane in many areas of the brain, brainstem, spinal cord, spleen and liver. Mutations in this gene cause the early-onset epileptic disorders
<b>Specificity</b>	No cross-reactivity reported
<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 by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

**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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