

## Product Datasheet

## Anti-Slo1 Maxi-K+ Channel Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-022-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	L6/60
<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, Mouse, Rat, Sheep, and Zebrafish
<b>Immunogen</b>	Fusion protein amino acids 690-1196 (cytoplasmic C-terminus) of mouse Slo1 (accession number AAA39746) produced recombinantly in E. Coli
<b>Molecular Weight</b>	110-130 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-022-FL594, RRID: AB_2939150

## Details

<b>Target Description</b>	mSlo maxi K+ channel (Calcium-activated potassium channel subunit alpha-1) is a member of BK channel alpha subunit family and has the particularity to be regulated by both Ca <sup>2+</sup> and membrane depolarization. BK channels have a tetrameric structure. Each subunit is the product of the KCNMA1 gene. All modulatory subunits encoded by KCNMB1, KCNMB2, KCNMB3, or KCNMB4 can associate with the tetrameric channel. MSlo plays a major role in controlling cell excitability, which regulates smooth muscle contractions, transmitter release, and innate immune system cell activation. MSlo maxi-K+ channel contributes to repolarization of the membrane potential as it exports K <sup>+</sup> out of the cytosol.
<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.

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