

## Product Datasheet

Anti-BKbeta3a K<sup>+</sup> Channel Antibody FL594 Conjugate

## Overview

<b>Catalog #</b>	75-098-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N40B/18
<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, and Rat
<b>Immunogen</b>	Fusion protein amino acids 1-49 (unique N-terminus) of mouse BKBeta3a (accession number Q08460) produced recombinantly in E. Coli
<b>Molecular Weight</b>	32 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-098-FL594, RRID: AB_2939366

## Details

<b>Target Description</b>	Calcium-activated potassium channel subunit beta-3, Potassium Calcium-Activated Channel Subfamily M Regulatory Beta Subunit 3 or BKBeta3a is encoded by the gene KCNMB3. BKbeta3a can bind to KCNMA1 to form a channel in the calcium activated large conductance (MaxiK channel) family. BKbeta3a acts to modulate the calcium sensitivity and gating kinetics of KCNMA1. It is widely expressed in tissues, and is present in several isoforms. Diseases associated with this gene include Familial Febrile Seizures.
<b>Specificity</b>	No cross-reactivity against BKBeta1, BKBeta2, BKBeta3b or BKBeta4
<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.

**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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