

## Product Datasheet

## Anti-Kir3.3 Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-445-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N455/15
<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 1-21 and 341-393 (fusion of cytoplasmic N- and C-termini) of mouse Kir3.3 (accession number P48543) produced recombinantly in E. Coli
<b>Molecular Weight</b>	40 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-445-FL594, RRID: AB_2940482

## Details

<b>Target Description</b>	Potassium inwardly rectifying channel subfamily J member 9 is encoded by the gene KCNJ9. KCNJ9 is a member of the inward rectifier-type potassium channel (TC 1.A.2.1) family, KCNJ9 subfamily. KCNJ9 is an integral membrane protein and inward-rectifier type potassium channel, which has a greater tendency to allow potassium to flow into the cell rather than out of the cell. KCNJ9 is controlled by G-proteins and associates with another G-protein-activated potassium channel to form a heteromultimeric pore-forming complex. KCNJ9 is expressed in the brain and skeletal muscle. Diseases associated with KCNJ9 include Pendred Syndrom and Seizures, Sensorineural Deafness, Ataxia, Mental Retardation, and Electrolyte Imbalance.
<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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