

## Product Datasheet

## Anti-Kv9.2 Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-459-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N460/19
<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>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 411-477 (cytoplasmic C-terminus) of mouse Kv9.2 (accession number O35174) produced recombinantly in E. Coli
<b>Molecular Weight</b>	60-80 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-459-FL594, RRID: AB_2940530

## Details

<b>Target Description</b>	Voltage-gated K <sup>+</sup> channels are important determinants of neuronal membrane excitability (Pongs, 1999). Moreover, differences in K <sup>+</sup> channel expression patterns and densities contribute to the variations in action potential waveforms and repetitive firing patterns evident in different neuronal cell types. Members of the Kv5-Kv11 families code for “silent subunits” that do not express as functional homomultimers. In heterologous expression systems, silent subunits can coassemble with Kv2 and Kv3 subunits and modulate the biophysical characteristics of the latter subunits (Yan L. et al., 2004).
<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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