

## Product Datasheet

Anti-Kv1.1 K<sup>+</sup> Channel (External) Antibody FL594 Conjugate

## Overview

<b>Catalog #</b>	75-105-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	K36/15
<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>	Mouse and Rat
<b>Immunogen</b>	Synthetic peptide amino acids 191-208 (ELKDDKDFGTIHRIDNTC, extracellular domain) of rat Kv1.1 (accession number P10499)
<b>Molecular Weight</b>	56 kDa (could be 65-85 kDa depending on glycosylation)
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-105-FL594, RRID: AB_2939394

## Details

<b>Target Description</b>	Potassium Channel Kv1.1 or Kcna1 is a member of the Shaker potassium channel family. Kv1.1 is expressed in the brain, CNS and in the kidney. Potassium channels form homotetrameric and heterotetrameric channels in the membrane with various other related proteins, including KCNA2, KCNA4, KCNA5, KCNA6, KCNA7. Kv1.1 is involved with the regulation of cellular functions and the control of neuronal excitability. Mutations in Kv1.1 are associated with Episodic ataxia type 1 and epilepsy.
<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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