

## Product Datasheet

## Anti-Kv1.7 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-477-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N471/27
<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
<b>Species Reactivity</b>	Mouse
<b>Immunogen</b>	Fusion protein amino acids 1-44 (cytoplasmic N-terminus) and 450-480 (cytoplasmic C-terminus) of mouse Kv1.7 (accession number Q17ST2) produced recombinantly in E. Coli
<b>Molecular Weight</b>	50 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-477-FL550, RRID: AB_2940593

## Details

<b>Target Description</b>	Potassium Voltage-Gated Channel Subfamily A Member 7 or Kv1.7 potassium channel is encoded by the gene KCNA7. Kv1.7 is a potassium channel subunit is a member of the potassium channel, voltage-gated, shaker-related subfamily. Potassium channels form homotetrameric and heterotetrameric channels in the membrane with various other related proteins, including KCNA2, KCNA4, KCNA5, KCNA6, KCNA7. Kv1.7 is detected in heart, skeletal muscle, kidney, brain, and pancreatic islet cells.
<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 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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