

## Product Datasheet

## Anti-Kv6.1 Antibody FL650 Conjugate



## Overview

<b>Catalog #</b>	75-490-FL650
<b>Conjugate</b>	FL650 Ex: 655 nm, Em: 676 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N474/27
<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 1-227 (cytoplasmic N-terminus) of mouse Kv6.1 (accession number A2BDX4) produced recombinantly in E. Coli
<b>Molecular Weight</b>	58 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-490-FL650, RRID: AB_2940639

## Details

<b>Target Description</b>	Potassium voltage-gated channel modifier subfamily G member 1 is encoded by the gene KCNG1. KCNG1 is a member of the potassium channel family, G (TC 1.A.1.2) subfamily, Kv6.1/KCNG1 sub-subfamily. KCNG1 is a potassium channel subunit that does not form functional channels by itself. It can form functional heterotetrameric channels with KCNB1. KCNG1 modulates the delayed rectifier voltage-gated potassium channel activation and deactivation rates of KCNB1. KCNG1 is expressed in skeletal muscle. Diseases associated with KCNG1 include Colon Small Cell Carcinoma and Fragile X Syndrome.
<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.

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