

## Product Datasheet

## Anti-Kv7.4/KCNQ4 K+ Channel Antibody FL650 Conjugate



## Overview

<b>Catalog #</b>	75-082-FL650
<b>Conjugate</b>	FL650 Ex: 655 nm, Em: 676 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N43/6
<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>	Bovine, Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 2-77 of human KCNQ4 (accession number P56696) produced recombinantly in E. Coli
<b>Molecular Weight</b>	77 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-082-FL650, RRID: AB_2939315

## Details

<b>Target Description</b>	Potassium voltage-gated channel subfamily KQT member 4, Voltage-Gated Potassium Channel Subunit Kv7.4 or KCNQ4 is encoded by the gene KCNQ4. KCNQ4 is thought to play a critical role in the regulation of neuronal excitability, particularly in sensory cells of the cochlea. It is found in the outer hair cell of cochlea, brain, heart, and skeletal muscle. Diseases associated with KCNQ4 include types of deafness.
<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.
<b>Storage</b>	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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