

## Product Datasheet

## Anti-Kv8.2 Potassium Channel Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-435-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	N448/88
<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
<b>Immunogen</b>	Fusion protein amino acids 1-163 (cytoplasmic N-terminus) of mouse Kv8.2 (accession number Q8CFS6) produced recombinantly in E. Coli
<b>Molecular Weight</b>	65 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-435-FL550, RRID: AB_2940449

## 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 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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