

Product Datasheet

Anti-Kv1.7 Antibody FL490 Conjugate



Overview

Catalog #	75-477-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N471/27
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC
Species Reactivity	Mouse
Immunogen	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
Molecular Weight	50 kDa
Cite this Antibody	Antibodies Inc Cat# 75-477-FL490, RRID: AB_2940592

Details

Target Description	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.
Specificity	No cross-reactivity reported
Purification Method	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.
Quality Control Tests	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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