

Product Datasheet

Anti-Kv1.5 K⁺ Channel Antibody FL490 Conjugate

Overview

Catalog #	75-011-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	K7/45
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, IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 542-602 (cytoplasmic C-terminus) of rat Kv1.5 (accession number P19024) produced recombinantly in E. Coli
Molecular Weight	70 kDa
Cite this Antibody	Antibodies Inc Cat# 75-011-FL490, RRID: AB_2939104

Details

Target Description	Potassium voltage-gated channel subfamily A member 5 or Kv1.5 is encoded by the gene KCNA5. Kv1.5 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. Kv1.5 is expressed in heart, including the atria and ventricles. Kv1.5 channels are also expressed in many other organs, such as pulmonary arteries, brain, skeletal muscle. Diseases associated with KCNA5 include Familial Atrial Fibrillation and insulinoma.
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.

Our Guarantee

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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