

## Product Datasheet

## Anti-TrpC4 Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-119-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	N77/15
<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>	Human, Mouse, and Rat
<b>Immunogen</b>	Synthetic peptide amino acids 930-947 (FKSEKVVVEDTVPIIPKE) of rat TrpC4 (accession number O35119)
<b>Molecular Weight</b>	110 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-119-FL490, RRID: AB_2939440

## Details

<b>Target Description</b>	Short transient receptor potential channel 4 or TrpC4 is encoded by the gene TrpC4. TrpC4 belongs to the transient receptor family, a group of membrane bound ion channels that have a relatively non-selective permeability to cations, including sodium, calcium and magnesium. This protein is thought to have a role as a cell-cell contact-dependent endothelial calcium entry channel. Trpc4 is found in many tissues including CNS, placenta, heart, smooth muscle, testis, kidney and brain. Mutations in this gene are associated with generalized epilepsy with photosensitivity.
<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.

**Our Guarantee**

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