

## Product Datasheet

## Anti-TrpC5 Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-104-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	N67/15
<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>	Guinea Pig, Human, Mouse, and Rat
<b>Immunogen</b>	Synthetic peptide amino acids 827-845 (SKAESSKRSFMGPSLKKL) of human TrpC5 (accession number Q9UL62)
<b>Molecular Weight</b>	110 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-104-FL594, RRID: AB_2939390

## Details

<b>Target Description</b>	Short transient receptor potential channel 5 or TrpC5 is encoded by the gene TRPC5. TrpC5 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. Apparent roles for Trpc5 include the regulation of neurite outgrowth. TrpC5 is found in the brain, developing fetal brain, CNS, and kidney. To date, TrpC5 functions in partnership with up to 60 proteins, including other TrpC members, IP3 receptors, NCS-1 and caveolin. Diseases associated with TrpC5 include Hypertrophic Pyloric Stenosis and Pyloric Stenosis
<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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