

## Product Datasheet

## Anti-TRPML3/Mucolipin-3 Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-283-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	N268/19
<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
<b>Species Reactivity</b>	Human, Mouse, and Rat
<b>Immunogen</b>	Synthetic peptide amino acids 269-285 (CKDWHVSGSIQKNTHYM, extracellular N-terminus) of human TRPML3 (accession number Q8TDD5)
<b>Molecular Weight</b>	64 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-283-FL490, RRID: AB_2940008

## Details

<b>Target Description</b>	Mucolipin-3, Transient receptor potential cation channel, mucolipin subfamily, member 3 or TrpML3 is encoded by the gene MCOLN3. It is a member of the small family of the TRPML channels, a subgroup of the large protein family of TRP ion channels and acts as an inwardly rectifying cation channel. TrpML3 is found in the cochlea, olfactory kidney, lung and hair cells and strial cells of the inner ear. The protein localizes to the plasma membrane, endosomes, and lysosomes of cells. Mutations in this gene in mice result in auditory hair cell death and deafness
<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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