

## Product Datasheet

## Anti-ANO5/TMEM16E Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-410-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N421A/85
<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 and Mouse
<b>Immunogen</b>	Fusion protein amino acids 1-299 (cytoplasmic N-terminus) of human ANO5 (accession number Q75V66) produced recombinantly in E. Coli
<b>Molecular Weight</b>	110 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-410-FL490, RRID: AB_2940356

## Details

<b>Target Description</b>	Anoctamin-5, Transmembrane Protein 16E or -ANO5/TMEM16E is encoded by the gene ANO5. ANO5 belongs to the anoctamin family of membrane proteins many of which are calcium-activated chloride channels. ANO5 does not exhibit this channel activity. ANO5 is expressed in brain, heart, kidney, lung, skeletal muscle as well as other tissues. Diseases associated with ANO5 include Gnathodiaphyseal Dysplasia and Miyoshi Muscular Dystrophy 3.
<b>Specificity</b>	Does not cross-react with ANO6/TMEM16F
<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.
<b>Storage</b>	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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