

## Product Datasheet

## Anti-Clcn3 Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-259-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N258/5
<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 98-115 (CKDRERHRRINSKKKESA, cytoplasmic N-terminus) of rat Clcn3 (accession number P51792)
<b>Molecular Weight</b>	90 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-259-FL490, RRID: AB_2939936

## Details

<b>Target Description</b>	Chloride Voltage-Gated Channel 3, CLCN3 or H(+)/Cl(-) exchange transporter 3 is encoded by the gene CLCN3 and is a member of the voltage-gated chloride channel (ClC) family. CLCN3 is a proton-coupled chloride transporter. It plays a role in acidification of endosomes and synaptic vesicle lumen. CLCN3 implicated in vesicle trafficking, neuronal cell function and short term memory. CLCN3 is expressed in several tissues including brain, aortic and coronary vascular smooth muscle cells, bronchus and colon. Diseases associated with this gene include Dent Disease 1 and Cystic Fibrosis
<b>Specificity</b>	Does not cross-react with Clcn4 or Clcn5 (based on KO validation results)
<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 by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

**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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