

Product Datasheet

Anti-Clcn3 Antibody FL550 Conjugate



Overview

Catalog #	75-259-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG1
Clone Number	N258/5
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Human, Mouse, and Rat
Immunogen	Synthetic peptide amino acids 98-115 (CKDRERHRRINSKKKESA, cytoplasmic N-terminus) of rat Clcn3 (accession number P51792)
Molecular Weight	90 kDa
Cite this Antibody	Antibodies Inc Cat# 75-259-FL550, RRID: AB_2939937

Details

Target Description	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
Specificity	Does not cross-react with Clcn4 or Clcn5 (based on KO validation results)
Purification Method	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.
Quality Control Tests	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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