

Product Datasheet

Anti-Clcn5 Antibody FL490 Conjugate



Overview

Catalog #	75-400-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N406/47
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	Fusion protein amino acids 568-746 (C-terminus) of rat Clcn5 (accession number P51796) produced recombinantly in E. Coli
Molecular Weight	90 kDa
Cite this Antibody	Antibodies Inc Cat# 75-400-FL490, RRID: AB_2940316

Details

Target Description	Chloride Voltage-Gated Channel 5, CLCN5 or H(+)/Cl(-) exchange transporter 5 is encoded by the gene CLCN5 and is a member of the voltage-gated chloride channel (ClC) family. CLCN5 is a proton-coupled chloride transporter. CLCN5 is involved in the acidification of the endosome lumen and is thought to play an important role in renal tubular function. CLCN5 is expressed in kidney, aortic and coronary vascular smooth muscle. Diseases associated with CLCN5 include Dent Disease 1 and X-Linked Recessive Hypophosphatemic Rickets.
Specificity	Does not cross-react with Clcn4
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 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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