

## Product Datasheet

## Anti-Clcn5 Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-400-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N406/47
<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>	Fusion protein amino acids 568-746 (C-terminus) of rat Clcn5 (accession number P51796) produced recombinantly in E. Coli
<b>Molecular Weight</b>	90 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-400-FL594, RRID: AB_2940318

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	Does not cross-react with Clcn4
<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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