

## Product Datasheet

## Anti-Clcn4 Antibody FL490 Conjugate



## Overview

|                           |   |
|---------------------------|---|
| <b>Catalog #</b>          | 75-260-FL490  |
| <b>Conjugate</b>          | FL490 Ex: 491 nm, Em: 515 nm  |
| <b>Isotype</b>            | IgG1  |
| <b>Clone Number</b>       | N222/6  |
| <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 30-51 (TDRHRKITSKSKESIWEFIKSL, cytoplasmic N-terminus) of rat Clcn4 (accession number P51793) |
| <b>Molecular Weight</b>   | 85 kDa  |
| <b>Cite this Antibody</b> | Antibodies Inc Cat# 75-260-FL490, RRID: AB_2939940  |

## Details

|                              |  |
|------------------------------|--|
| <b>Target Description</b>    | Chloride Voltage-Gated Channel 4, CLCN4 or H(+)/Cl(-) exchange transporter 4 is encoded by the gene CLCN4 and is a member of the voltage-gated chloride channel (ClC) family. CLCN4 is a proton-coupled chloride transporter. CLCN4 is expressed in skeletal muscle, brain and heart. Diseases associated with this gene include Raynaud-Claes Syndrome and X-Linked Intellectual Disability Syndrome. |
| <b>Specificity</b>           | Does not cross-react with Clcn5  |
| <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.  |

## **Our Guarantee**

---

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

**Note:** For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, viewable on our website.