

## Product Datasheet

## Anti-Gamma-Protocadherin-C4 Antibody FL550 Conjugate



## Overview

|                           |  |
|---------------------------|--|
| <b>Catalog #</b>          | 75-231-FL550   |
| <b>Conjugate</b>          | FL550 Ex: 550 nm, Em: 575 nm   |
| <b>Isotype</b>            | IgG1   |
| <b>Clone Number</b>       | N193A/13   |
| <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  |
| <b>Species Reactivity</b> | Mouse  |
| <b>Immunogen</b>          | Fusion protein amino acids 720-804 (variable cytoplasmic domain) of mouse Gamma-protocadherin-C4 (accession number Q91XX0) produced recombinantly in E. Coli |
| <b>Molecular Weight</b>   | 100 kDa  |
| <b>Cite this Antibody</b> | Antibodies Inc Cat# 75-231-FL550, RRID: AB_2939841   |

## Details

|                              |   |
|------------------------------|---|
| <b>Target Description</b>    | Protocadherin Gamma Subfamily C, 4 is encoded by the gene PCDHGC4. PCDHGC4 is a member of the protocadherin gamma gene cluster. PCDHGC4 is a neural cadherin-like cell adhesion protein that most likely plays a critical role in the establishment and function of specific cell-cell connections in the brain. PCDHGC4 is expressed in the nervous system, skin, and eye. No diseases were found to be associated with PCDHGC4. |
| <b>Specificity</b>           | No cross-reactivity against other Gamma-protocadherin-A, -B or -C proteins  |
| <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.   |

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