

Product Datasheet

Anti-Gamma-Protocadherin-C3 Antibody FL594 Conjugate



Overview

Catalog #	75-237-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N174B/27
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
Species Reactivity	Mouse
Immunogen	Fusion protein amino acids 720-804 (variable cytoplasmic domain) of mouse Gamma-protocadherin-C3 (accession number Q91XX1) produced recombinantly in E. Coli
Molecular Weight	100 kDa
Cite this Antibody	Antibodies Inc Cat# 75-237-FL594, RRID: AB_2939862

Details

Target Description	Protocadherin Gamma Subfamily C, 3 is encoded by the gene PCDHGC3. PCDHGC3 is a member of the protocadherin gamma gene cluster. PCDHGC3 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. PCDHGC3 is expressed in the nervous system, liver, and skin. Diseases associated with PCDHGC3 include Corneal Dystrophy, Endothelial, X-Linked and Brachydactyly, Type A3.
Specificity	No cross-reactivity against other Gamma-protocadherin-A, -B or -C proteins
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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