

Product Datasheet

Anti-Pan-Gamma-Protocadherin-Constant Antibody FL594 Conjugate



Overview

Catalog #	75-185-FL594
Conjugate	FL594 Ex: 594 nm, Em: 615 nm
Isotype	IgG1
Clone Number	N159/5
Size	200 μ L
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	Mouse
Immunogen	Fusion protein corresponding to amino acids 808-931 (C-terminal cytoplasmic constant domain) of mouse Gamma-protocadherin-A1 that is shared by all 22 Gamma-protocadherins (A subfamily amino acids ~807-930, B subfamily amino acids ~789-912 and C subfamily
Molecular Weight	100 kDa
Cite this Antibody	Antibodies Inc Cat# 75-185-FL594, RRID: AB_2939686

Details

Target Description	Gamma-protocadherins belong to a superfamily of homophilic cell-adhesion proteins. These cell adhesion proteins are thought to be involved in establishing and function of cell-cell connections in brain. These proteins are widely expressed in the nervous system and brain.
Specificity	Cross-reacts with all Gamma protocadherin-A, -B and -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 by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
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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