

## Product Datasheet

## Anti-Gamma-Protocadherin-A3 Antibody FL490 Conjugate

NeuroMab



KO Validated

## Overview

<b>Catalog #</b>	75-177-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N144/17
<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-A3 (accession number Q91XY5) produced recombinantly in E. Coli
<b>Molecular Weight</b>	100 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-177-FL490, RRID: AB_2939652

## Details

<b>Target Description</b>	Protocadherin gamma A3 is encoded by the gene Pcdhga3. 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. Gamma-Protocadherin-A3 is a type I transmembrane receptor and is a calcium-dependent cell-adhesion protein. Gamma-Protocadherin-A3 plays a role in the establishment and maintenance of specific neuronal connections in the brain. Gamma-Protocadherin-A3 is expressed in the central nervous system where it localizes to synapses. Diseases associated with this gene include Pineal Gland Cancer.
<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.

**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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