

## Product Datasheet

## Anti-Pan-Neurofascin (Extracellular) Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-172-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	A12/18
<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, Non-Human Primate, and Rat
<b>Immunogen</b>	Lipid raft fractions isolated from adult rat brain. Target identified as Neurofascin (accession number P97685) by: -binding to NF-186-transfected COS cells- recognition of NF155 and NF186 but not other highly related L1 CAMs like NrCAM- immunoprecipitation
<b>Molecular Weight</b>	155, 186 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-172-FL490, RRID: AB_2939632

## Details

<b>Target Description</b>	Neurofascin is encoded by the gene NFASC. Two major isoforms of NeuroFascin are expressed as a result of alternative splicing, NF186 and NF155. These proteins are expressed in the central nervous system. In brain, NF186 is expressed at Nodes of Ranvier and NF155 is expressed in unmyelinated axons. Neurofascin plays a role in cell adhesion and is thought to be involved in processes such as neurite extension, synaptogenesis and myelination. Diseases associated with this gene include Demyelinating Polyneuropathy.
<b>Specificity</b>	No cross-reactivity reported
<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 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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