

Product Datasheet

Anti-Pan-Neurofascin (Extracellular) Antibody FL550 Conjugate



Overview

Catalog #	75-172-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG2a
Clone Number	A12/18
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, IHC
Species Reactivity	Human, Mouse, Non-Human Primate, and Rat
Immunogen	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
Molecular Weight	155, 186 kDa
Cite this Antibody	Antibodies Inc Cat# 75-172-FL550, RRID: AB_2939633

Details

Target Description	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.
Specificity	No cross-reactivity reported
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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