

## Product Datasheet

## Anti-Neurexin-1-Beta (Staining) Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-216-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N170A/1
<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>	Human and Mouse
<b>Immunogen</b>	Synthetic peptide amino acids 47-64 (ASSLGAHHIHHFHGSSKH, extracellular N-terminus) of rat Neurexin-1-Beta (accession number Q63373)
<b>Molecular Weight</b>	50 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-216-FL490, RRID: AB_2939800

## Details

<b>Target Description</b>	Neurexin-1Beta is a member of the neurexin family. Neurexin-1Beta is a membrane bound receptor and binds neuroligins and forms complexes at neuronal synapses in the central nervous system. Binding partners for Neurexin 1beta include CASK, Neuroligins 1-3 and DAG1. Neurexin-1Beta serves as a presynaptic marker and plays an important role in assembling presynaptic and postsynaptic machinery. This protein may be involved in cell recognition and cell adhesion by forming intracellular junctions through binding to neuroligins and possibly plays a role in synaptic junctions formation or maintenance.
<b>Specificity</b>	Does not cross-react with Neurexin-2-Beta
<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.

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