

## Product Datasheet

## Anti-Pan-Shank Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-089-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N23B/49
<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, and Rat
<b>Immunogen</b>	Fusion protein amino acids 84-309 (SH3/PDZ domains) of rat Shank2 (accession number Q9QX74) produced recombinantly in E. Coli
<b>Molecular Weight</b>	160 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-089-FL490, RRID: AB_2939340

## Details

<b>Target Description</b>	This antibody is a pan antibody that recognizes SH3 and multiple ankyrin repeat domains protein 1 (Shank 1), SH3 and multiple ankyrin repeat domains protein 2 (Shank 2) and SH3 and multiple ankyrin repeat domains protein 3 (Shank3). Shank proteins act as a scaffold protein anchoring and connecting membrane bound receptors and other proteins to the cytoskeleton in neurons to enable cell signaling.
<b>Specificity</b>	Recognizes Shank1, Shank2 and Shank3
<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.
<b>Storage</b>	Aliquot and store at ≤ -20°C for long term storage. For short term storage, store at 2-8°C. For maximum recovery of product, centrifuge the vial prior to removing the cap.

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