

## Product Datasheet

## Anti-SynDIG1/Tmem90b Antibody FL490 Conjugate



## Overview

<b>Catalog #</b>	75-251-FL490
<b>Conjugate</b>	FL490 Ex: 491 nm, Em: 515 nm
<b>Isotype</b>	IgG2a
<b>Clone Number</b>	L42/17
<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>	Human, Mouse, and Rat
<b>Immunogen</b>	Fusion protein amino acids 1-183 (cytoplasmic N-terminus) of mouse SynDIG1 (accession number A2ANU3) produced recombinantly in E. Coli
<b>Molecular Weight</b>	36 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-251-FL490, RRID: AB_2939912

## Details

<b>Target Description</b>	Transmembrane Protein 90B or Synapse Differentiation Inducing 1 (SynDIG1/Tmem90b) is encoded by the gene SYNDIG1 and a member of the interferon-induced transmembrane family of proteins. (IFITM). SynDIG1 is thought to regulate AMPA receptors and be involved in postsynaptic development and maturation. SynDIG1 is expressed in the brain at excitatory synapses and postsynaptic cells. Diseases associated with this gene include Episodic Kinesigenic Dyskinesia and Visual Epilepsy.
<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.

**Our Guarantee**

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