

## Product Datasheet

## Anti-Neuroigin-4\* Antibody FL650 Conjugate



## Overview

<b>Catalog #</b>	75-141-FL650
<b>Conjugate</b>	FL650 Ex: 655 nm, Em: 676 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N98/47
<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>	Mouse
<b>Immunogen</b>	Fusion protein amino acids 782-945 (intracellular C-terminus) of mouse Neuroigin-4* (accession number ABS19580) produced recombinantly in E. Coli
<b>Molecular Weight</b>	125-130 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-141-FL650, RRID: AB_2939523

## Details

<b>Target Description</b>	Neuroigin4 is encoded by the gene NLGN4. Neuroigin4 is a transmembrane scaffolding protein and cell adhesion molecule. It is involved in cell-cell interactions in neurons and in other cell types. It is expressed in many tissues, including retina and brain, where it is located at the postsynaptic membrane and is involved in regulation of synapses, synapse formation and synaptic transmission. Diseases associated with this gene include forms of Autism and Asperger Syndrome.
<b>Specificity</b>	Does not cross-react with other Neuroiginins
<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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