

## Product Datasheet

## Anti-Synaptotagmin-7 Antibody FL650 Conjugate



## Overview

<b>Catalog #</b>	75-265-FL650
<b>Conjugate</b>	FL650 Ex: 655 nm, Em: 676 nm
<b>Isotype</b>	IgG2b
<b>Clone Number</b>	N275/14
<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>	Mouse and Rat
<b>Immunogen</b>	Fusion protein amino acids 150-239 (cytoplasmic C2A domain) of mouse Synaptotagmin-7 (accession number Q9R0N7) produced recombinantly in E. Coli
<b>Molecular Weight</b>	45 kDa (plus others)
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-265-FL650, RRID: AB_2939955

## Details

<b>Target Description</b>	Synaptotagmins are a family of calcium sensing, membrane trafficking proteins. 17 different synaptotagmins have been identified in mammals. Synaptotagmin 7 is highly, ubiquitously expressed in the brain and was originally identified as a Ca <sup>2+</sup> sensor for lysosomal exocytosis, but has since been demonstrated to play roles in secretion from many different cell types (MacDougall DD, et al., 2018)
<b>Specificity</b>	Does not cross-react with Synaptotagmin-6 (or other Synaptotagmins)
<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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