

## Product Datasheet

## Anti-Synaptotagmin-5 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-305-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N274/8
<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 236-323 (cytoplasmic C2A domain) of mouse Synaptotagmin-5 (accession number Q9R0N9) produced recombinantly in E. Coli
<b>Molecular Weight</b>	45 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-305-FL550, RRID: AB_2940065

## Details

<b>Target Description</b>	Synaptotagmins are a family of calcium sensing, membrane trafficking proteins. 17 different synaptotagmins have been identified in mammals. Along with synaptotagmins 1 and 2, synaptotagmin 5 (also known as synaptotagmin 9) has been shown to function as a Ca <sup>2+</sup> sensor for fast synchronous neurotransmitter release (Xu J et al., 2007).
<b>Specificity</b>	Does not cross-react with Synaptotagmin-10 (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 on cells overexpressing target protein and confirmed to give the expected staining pattern.
<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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