

## Product Datasheet

## Anti-Synaptotagmin-10 Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-262-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N269/73
<b>Size</b>	200 $\mu$ L
<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 248-335 (cytoplasmic C2A domain) of mouse Synaptotagmin-10 (accession number Q9R0N4) produced recombinantly in E. Coli
<b>Molecular Weight</b>	60 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-262-FL550, RRID: AB_2939949

## Details

<b>Target Description</b>	Synaptotagmins are a family of calcium sensing, membrane trafficking proteins. 17 different synaptotagmins have been identified in mammals. Synaptotagmin 10 has been shown to function as the Ca <sup>2+</sup> -sensor that triggers IGF-1 exocytosis in olfactory bulb neurons (Cao P. et al., 2011).
<b>Specificity</b>	Does not cross-react with Synaptotagmin-6 or Synaptotagmin-3
<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 $\leq -20^{\circ}\text{C}$ 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.

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