

Product Datasheet

Anti-Synaptotagmin-5 Antibody FL490 Conjugate



Overview

Catalog #	75-305-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N274/8
Size	200 µL
Concentration	0.5 mg/mL
Host Species	Mouse Monoclonal
Format	Purified by Protein A chromatography
Buffer	PBS with 0.09% azide
Applications	ICC, IHC
Species Reactivity	Mouse and Rat
Immunogen	Fusion protein amino acids 236-323 (cytoplasmic C2A domain) of mouse Synaptotagmin-5 (accession number Q9R0N9) produced recombinantly in E. Coli
Molecular Weight	45 kDa
Cite this Antibody	Antibodies Inc Cat# 75-305-FL490, RRID: AB_2940064

Details

Target Description	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 ²⁺ sensor for fast synchronous neurotransmitter release (Xu J et al., 2007).
Specificity	Does not cross-react with Synaptotagmin-10 (or other Synaptotagmins)
Purification Method	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.
Quality Control Tests	Each new lot of antibody is quality control tested on cells overexpressing target protein and confirmed to give the expected staining pattern.
Storage	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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