

Product Datasheet

Anti-VaChT Antibody FL490 Conjugate



Overview

Catalog #	75-020-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG1
Clone Number	N6/38
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	Electric Ray, Human, Mouse and Rat
Immunogen	Synthetic peptide amino acids 521-532 (CEDDYNYYYTRS) of human VACHT (accession number Q16572)
Molecular Weight	55 kDa
Cite this Antibody	Antibodies Inc Cat# 75-020-FL490, RRID: AB_2939140

Details

Target Description	Vesicular acetylcholine transporter (VaChT), or Solute Carrier Family 18 Member A3 is encoded by the gene Slc18a3 and is a member of the vesicular amine transporter family. VaChT transports acetylcholine into secretory vesicles for release into the extracellular space. VaChT is expressed in major cholinergic cell groups in the peripheral and central cholinergic nervous systems. Diseases associated with SLC18A3 include Myasthenic Syndrome and Presynaptic and Presynaptic Congenital Myasthenic Syndromes.
Specificity	No cross-reactivity reported
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 $\leq -20^{\circ}\text{C}$ 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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