

## Product Datasheet

## Anti-VaChT Antibody FL550 Conjugate



## Overview

<b>Catalog #</b>	75-020-FL550
<b>Conjugate</b>	FL550 Ex: 550 nm, Em: 575 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N6/38
<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>	Electric Ray, Human, Mouse and Rat
<b>Immunogen</b>	Synthetic peptide amino acids 521-532 (CEDDYNYYYTRS) of human VACHT (accession number Q16572)
<b>Molecular Weight</b>	55 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-020-FL550, RRID: AB_2939141

## Details

<b>Target Description</b>	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.
<b>Specificity</b>	No cross-reactivity reported
<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.

**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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