

## Product Datasheet

## Anti-VGlut3 Antibody FL594 Conjugate



## Overview

<b>Catalog #</b>	75-073-FL594
<b>Conjugate</b>	FL594 Ex: 594 nm, Em: 615 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N34/34
<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>	Fusion protein amino acids 546-588 (cytoplasmic C-terminus) of rat VGlut3 (accession number NP_714947) produced recombinantly in E. Coli
<b>Molecular Weight</b>	65 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-073-FL594, RRID: AB_2939294

## Details

<b>Target Description</b>	Vesicular glutamate transporter 3 (VGLUT3) or Solute Carrier Family 17 Member 8 is encoded by the gene SLC17A8 and belongs to the vesicular glutamate transporter family. Vglut3 transports glutamate into synaptic vesicles at presynaptic nerve terminals of excitatory neural cells. Vglut3 is expressed in many tissues including brain, kidney and liver. In brain, it is expressed within glutamatergic neurons in the amygdala, brainstem, cerebral cortex, dorsal root ganglia, dorsal spinal cord, hippocampus, and hypothalamus. Diseases associated with SLC17A8 include Deafness.
<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.

**Our Guarantee**

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