

## Product Datasheet

## Anti-VGlut2 Antibody FL650 Conjugate



## Overview

<b>Catalog #</b>	75-067-FL650
<b>Conjugate</b>	FL650 Ex: 655 nm, Em: 676 nm
<b>Isotype</b>	IgG1
<b>Clone Number</b>	N29/29
<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 501-582 (cytoplasmic C-terminus) of rat VGlut2 (accession number Q9JI12) produced recombinantly in E. Coli
<b>Molecular Weight</b>	60 kDa
<b>Cite this Antibody</b>	Antibodies Inc Cat# 75-067-FL650, RRID: AB_2939283

## Details

<b>Target Description</b>	Vesicular glutamate transporter 2 (Vglut2) is encoded by the gene Slc17a6 and belongs to the vesicular glutamate transporter family. Vglut2 is expressed in the thalamus, midbrain, brainstem, and spinal cord at synaptic vesicles. It functions to uptake glutamate into synaptic vesicles in excitatory neural cells. Altered expression of Vglut2 has been implicated in include Gnathodiaphyseal Dysplasia and tendinosis.
<b>Specificity</b>	Does not cross-react with VGlut1 or VGlut3
<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 by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.
<b>Storage</b>	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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