

Product Datasheet

Anti-VGlut3 Antibody FL650 Conjugate



Overview

Catalog #	75-073-FL650
Conjugate	FL650 Ex: 655 nm, Em: 676 nm
Isotype	IgG1
Clone Number	N34/34
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	Fusion protein amino acids 546-588 (cytoplasmic C-terminus) of rat VGlut3 (accession number NP_714947) produced recombinantly in E. Coli
Molecular Weight	65 kDa
Cite this Antibody	Antibodies Inc Cat# 75-073-FL650, RRID: AB_2939295

Details

Target Description	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.
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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