

Product Datasheet

Anti-VGAT Antibody FL490 Conjugate



Overview

Catalog #	75-457-FL490
Conjugate	FL490 Ex: 491 nm, Em: 515 nm
Isotype	IgG2a
Clone Number	L118/80
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	Mouse and Rat
Immunogen	Fusion protein amino acids 1-133 (cytoplasmic N-terminus) of mouse VGAT (accession number O35633) produced recombinantly in E. Coli
Molecular Weight	50 kDa
Cite this Antibody	Antibodies Inc Cat# 75-457-FL490, RRID: AB_2940520

Details

Target Description	The Vesicular GABA Amino Acid Transporter (VGAT) is responsible for transport of the inhibitory neurotransmitter into synaptic vesicles (McIntire et al., 1997). The VGAT protein (also known as the Vesicular Inhibitory Amino Acid Transporter or VIAAT) is expressed in synaptic vesicles of both glycine and GABAergic synapses throughout the CNS (Chaudhry et al., 1998). Expression of the VGAT protein changes during development and also in response to patterns of neuronal activity (De et al., 2005).
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 by western blot on rat whole brain lysate and confirmed to stain the expected molecular weight band.

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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