

Product Datasheet

Anti-GAD67 Antibody FL650 Conjugate



Overview

Catalog #	75-507-FL650
Conjugate	FL650 Ex: 655 nm, Em: 676 nm
Isotype	IgG2b
Clone Number	L127/8
Size	200 μ L
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	Human, Mouse, and Rat
Immunogen	Fusion protein amino acids 1-594 (full-length) of human GAD67 (accession number Q99259) produced recombinantly in E. Coli
Molecular Weight	70 kDa
Cite this Antibody	Antibodies Inc Cat# 75-507-FL650, RRID: AB_2940691

Details

Target Description	Glutamate decarboxylase 1, GAD67 or GAD1 is a member of the group II decarboxylase family and catalyzes the production of GABA from L-glutamic acid. GAD67 is expressed in brain (throughout the cell), in insulin producing β cells of the pancreas, and several non-neuronal tissues during development. Alterations in GAD67 have been shown to lead to pyridoxine dependency with seizures. Other disorders associated with GAD67 are Cerebral Palsy, Spastic Quadriplegic, 1 and Inherited Congenital Spastic Tetraplegia.
Specificity	Cross-reacts with GAD25 Does not cross-react with GAD44 or GAD65/GAD2
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 this antibody is tested to confirm that it recognizes a single immunoreactive band of expected molecular weight when used to probe brain lysate.

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

As an original manufacturer, we are dedicated to creating quality and reproducible antibodies that further your research. We provide personalized customer support from the scientists that made the antibody and offer a free replacement or 100% refund if we cannot resolve an issue. Order today and experience our 50+ year passion for science.

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