

Product Datasheet

Anti-GAD65/67 Antibody FL550 Conjugate



Overview

Catalog #	75-508-FL550
Conjugate	FL550 Ex: 550 nm, Em: 575 nm
Isotype	IgG2a
Clone Number	L127/12
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	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# 75-508-FL550, RRID: AB_2940693

Details

Target Description	There are two forms of the enzyme glutamic-acid decarboxylase (GAD), a 65-kDa form (GAD65) and a 67-kDa form (GAD67) which are the result of the expression of different genes. Further splicing of GAD 67 produces one or two smaller variants, including GAD25 and GAD44. GAD67 and GAD65 are expressed in adult brain and the pancreas. The truncated forms GAD25 and GAD44 are expressed during embryonic development. Glutamic acid decarboxylase enzyme functions to catalyze the production of gamma-aminobutyric acid from L-glutamic acid.
Specificity	Cross-reacts with GAD25, GAD44 and 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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