

Anti-GAD65/67 Recombinant Chicken Chimeric mAb

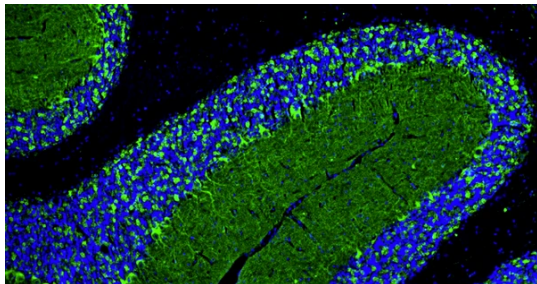


Product Details

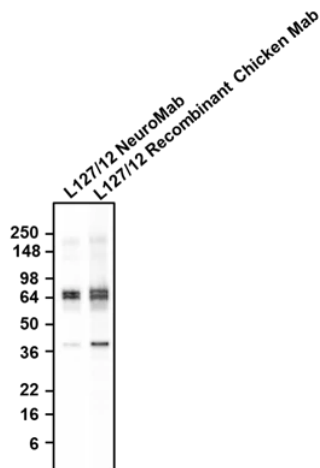
Available Variants	100 µL (SKU:78-508) 20 µL (SKU:78-508-020)
Conjugate	Unconjugated
Isotype	IgY
Clone	L127/12
Gene Name	GAD1, GAD, GAD67
Host Species	Chicken
Concentration	1 mg/mL
Format	Purified by affinity chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	This recombinant antibody is a chimeric antibody created by replacing the mouse heavy and light constant regions of clone L127/12 with chicken IgY heavy and light constant regions. As such this antibody retains the same binding performance as the original clone L127/12 but can be detected using standard anti-chicken secondary antibodies allowing flexibility for multiplexing applications. This antibody is expressed recombinantly in mammalian cells and then affinity purified from the cell culture media.
Applications	AT, ELISA, ICC, IHC, WB
Dilution Ranges	ICC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Fusion protein amino acids 1-594 (full-length) of human GAD67 (accession number Q99259) produced recombinantly in E. Coli
Specificity	Cross-reacts with GAD25, GAD44 and GAD65/GAD2

Molecular Weight	70 kDa
Quality Control	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.
UniProt ID	<u>Q99259</u>
Country of Origin	United States
Shipping	Shipped on ice packs
Expiration	24 months from date of receipt
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

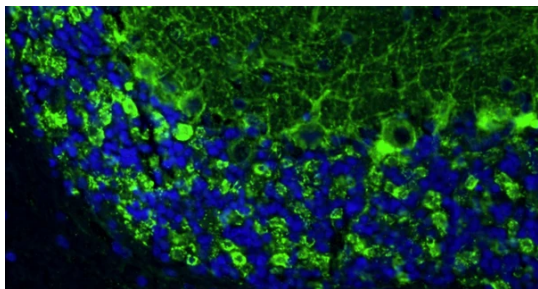
Product Images



Representative section of formalin fixed, paraffin-embedded rat brain cerebellum stained with GAD65/67 recombinate chicken mAb (green) (Cat. 78-508) at 1:100 dilution. The stained sections were mounted with Fluoroshield™ mounting medium (Cat. AR-6505). DAPI (blue) shows cell nuclei. Anti-GAD65/67 stains neuropil granules identifying GABAergic synapses, Purkinje cell bodies, and the synaptic terminal of GABAergic interneurons in the molecular layer of the cerebellum. Magnification 100X.



Western blotting of rat brain homogenate with Antibodies Incorporated anti-GAD65/67 mouse mAb (Cat. 75-508) and Aves Labs anti-GAD65/67 recombinate chicken mAb (Cat. 78-508) antibodies. The mouse mAb and chicken mAb were detected with anti-mouse-HRP and anti-chicken-HRP, respectively. Aves Labs recombinate chicken anti-GAD65/67 mAb recognizes endogenous GAD65/67 with similar sensitivity as the anti-GAD65/67 NeuroMab in the rat brain homogenate at ~65-67 kDa.



Representative section of formalin fixed, paraffin-embedded rat brain cerebellum stained with GAD65/67 recombinant chicken mAb (green) (Cat. 78-508) at 1:100 dilution. The stained sections were mounted with Fluoroshield™ mounting medium (Cat. AR-6505). DAPI (blue) shows cell nuclei. Anti-GAD65/67 stains neuropil granules identifying GABAergic synapses, Purkinje cell bodies, and the synaptic terminal of GABAergic interneurons in the molecular layer of the cerebellum. Magnification 400X.

Product Page URL: www.antibodiesinc.com/products/anti-gad65-67-recombinant-antibody-l127-12-78-508



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