

Anti-Beta-Gal (Beta-Galactosidase, LacZ) Antibody

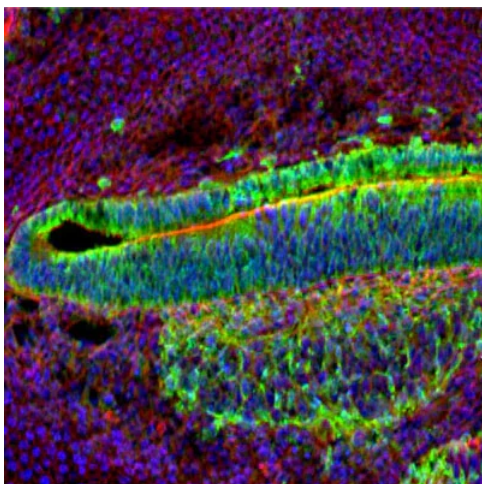


Product Details

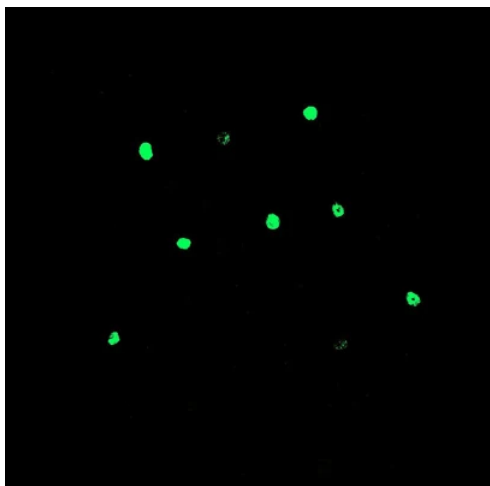
Available Variants	100 µL (SKU:BGL-1010) 400 µL (SKU:BGL-1040)
Isotype	IgY
Host Species	Chicken
Concentration	10 mg/mL
Format	Mixture of IgY fraction and affinity-purified antibodies
Physical State	Liquid
Buffer	Sodium phosphate (10 mM, pH 7.2) buffered isotonic saline (0.9%, w/v), glycerol (50%, v/v), with thimerosal (0.01%,w/v) as an anti-microbial agent.
Production Notes	Chickens were immunized with purified β-Galactosidase (lacZ) protein emulsified in Freund's adjuvants. After multiple injections, eggs were collected from the hens, IgY fractions were prepared from the yolks, and then affinity-purified antibodies were prepared using β-Galactosidase conjugated to an agarose matrix. The final product is a mixture of both affinity-purified antibodies (25 µg/mL) and purified IgY (10 mg/mL), and is filter-sterilized.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:5000-1:10000 IHC: 1:2500-1:5000 ICC: 1:2500-1:5000
Immunogen	Native protein expressed Escherichia coli
Molecular Weight	117 kDa
Quality Control	This antibody preparation was analyzed by immunohistochemistry (at a dilution of 1:5000) using tissues infected with a virus bearing the LacZ gene. Secondary antibodies were fluorescein-labeled affinity-purified goat anti-chicken IgY (1:2000 dilution, Aves Labs Cat.# F-1005).

Storage	Store at -20°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile.
Antibody Registry ID	AB_2313508
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

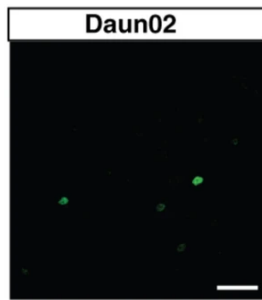
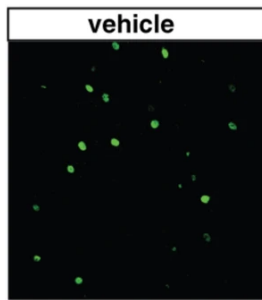
Product Images



A tissue section through an e18 mouse embryo showing β -galactosidase immunostaining (green staining) in the otic vesicle and adjacent otic ganglion. Hoechst dye (purple staining) shows the nuclei of cells.



Basolateral amygdala from c-fos-lacZ transgenic male rats labeling LacZ (Cat. BGal, 1:1000, green). The image was kindly provided by Benedetto Sacchetti, Università di Torino.



Transgenic rats that received vehicle (left panel) or Daun02 (right panel) were perfused 90 min after the last CS1 presentation and analyzed for the expression of β -galactosidase (β -gal) (Cat. BGL, 1:1000). Image from publication CC-BY-4.0. [PMID:38656872](https://pubmed.ncbi.nlm.nih.gov/38656872/)

Product Page URL: www.antibodiesinc.com/products/anti-beta-gal-beta-galactosidase-lacz-antibody-bgl



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