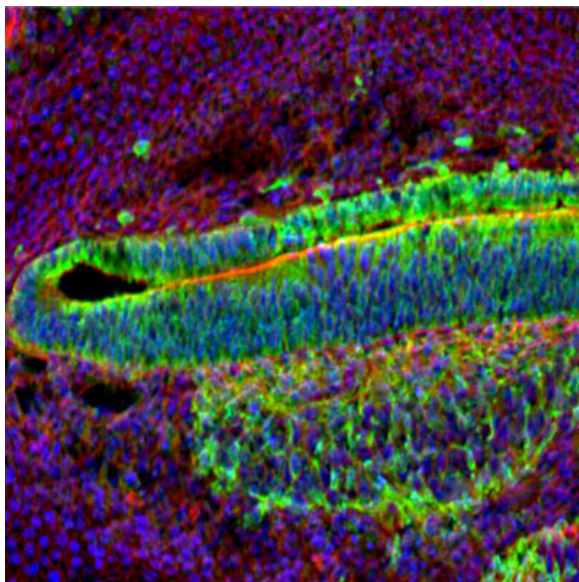


Product Datasheet**Chickens make *better* antibodies.****Anti-Beta-Gal (Beta-Galactosidase, LacZ) Antibody****Overview**

Catalog #	BGL-1010 (100 μ L size) or BGL-1040 (400 μ L size)
Concentration	10 mg/mL
Host Species	Chicken Polyclonal
Format	Mixture of IgY fraction and affinity-purified antibodies
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.
Applications	IHC 1:2500-1:5000 ICC 1:2500-1:5000 WB 1:5000-1:10000
Species Reactivity	N/A
Immunogen	Native protein expressed <i>Escherichia coli</i>
Molecular Weight	117 kDa
Cite this Antibody	Aves Labs Cat# BGL-1010, or Aves Labs Cat# BGL-1040; RRID: AB_2313508

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.

Details

Target Description	Beta Galactosidase is the product of the LacZ gene and is widely used as a reporter marker to monitor gene expression.
Purification Method	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 μ g/mL) and purified IgY (10 mg/mL), mixed with glycerol 1:1 (v/v) (to prevent freezing at -20°C), augmented with thimerosal and then filter-sterilized.
Quality Control Tests	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.

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 how chickens make better antibodies.

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