



**Chickens make *better* antibodies.**

## Product Data Sheet

**Catalog Number:** BGL-1010, BGL-1040

**Description:** Anti-b-Galactosidase (LacZ) chicken polyclonal antibody.

**Volume:** 100 uL, 400 uL

**Concentration:** 10 mg/mL (based on absorbance at 280 nm)

**Buffer:** Sodium phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) (50% by volume) with glycerol (50% by volume) as an anti-freezing agent and thimerosal (0.01%, w/v) as a preservative.

**Production Notes:** Chickens were immunized with purified b-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 b-Galactosidase conjugated to an agarose matrix. The final product is a mixture of both affinity-purified antibodies (25 mg/ml) and purified IgY (10 mg/ml), and is filter-sterilized.

**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 4°C in the dark.** Under these conditions, the antibodies should have a shelf life of at least 12 months (provided they remain sterile). For longer storage periods, dilute the antibodies with sterile glycerol and store at -20°C. Do not freeze these antibodies unless you want to store them for longer periods of time.

**Recommended Dilutions:** 1:2500-1:5000 for immunohistochemistry and immunocytochemistry using 2% paraformaldehyde-fixed tissues or cells. Please note that these dilutions are meant to serve as starting points, and that optimal dilutions may vary

*Aves Labs products are intended for use as research laboratory reagents.  
They are not intended for use as diagnostic or therapeutic reagents in humans.*