



...Specializing in custom-made chicken antibodies against "difficult" antigens.

PRODUCT SPECIFICATIONS

Product Description:	Anti-β-Galactosidase (LacZ) chicken polyclonal antibody
Catalog Number:	BGL-1040
Lot Number:	12BG21Y09
Antibody Concentrations:	10 mg/ml (based on absorbance at 280 nm)
Volume:	400 μ l
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:	Chickens were immunized with purified β -Galactosidase (<i>lacZ</i>) 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), 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 Conditions:	Store at -20°C in the dark. Under these conditions, these antibodies should have a shelf life of at least 12 months (provided they remain sterile). Do not freeze these antibodies at -80°C unless you want to store them for longer periods of time. Note, however, that each time an antibody preparation is frozen, about half its binding activity is lost.
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.

NOTE: These antibodies are meant to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

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