



...Specializing in custom-made chicken antibodies against “difficult” antigens.

PRODUCT SPECIFICATIONS

Product Description: Anti-GFP (Green Fluorescent Protein) (Chicken Antibodies, IgY Fraction)

Catalog Number: GFP-1020

Volume: 400µl

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

Antibody Concentration: 10.0 mg / ml (based on absorbance at 280 nm)

Physical State: Liquid

Buffer: Sodium phosphate (10 mM, pH 7.2) buffered isotonic saline (0.9%, w/v), glycerol (50%, v/v), with sodium azide (0.02%, w/v) as an anti-microbial agent.

Production: Chickens were immunized with purified recombinant green fluorescent protein (GFP) emulsified in Freund's adjuvant. After multiple injections, eggs were collected from the hens, and IgY fractions were prepared from the yolks. Purified antibody preparations were then mixed with glycerol 1:1 (v/v) (to prevent freezing at -20°C), augmented with thimerosal, and then filter-sterilized.

Quality Control: Antibodies were analyzed by western blot analysis (1:5000 dilution) and immunohistochemistry (1:500 dilution) using transgenic mice expressing the GFP gene product. Western blots were performed using BlokHen® (Aves Labs) as the blocking reagent, and HRP-labeled goat anti-chicken antibodies (Aves Labs, Cat. #H-1004) as the detection reagent. Immunohistochemistry used tetramethyl rhodamine-labeled anti-chicken IgY.

Storage Conditions: **Store at -20°C in the dark.** Under these conditions, the antibodies should have a shelf life of at least 12 months (provided they remain sterile). Since 50% glycerol is present in the vial, this antibody preparation should remain a liquid at -20°C. For longer storage periods, store at -80°C, but be aware that freezing this preparation may reduce its activity.