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Datasheet for 603-4602

Chicken IgG (H&L) Secondary Antibody Biotin Conjugated

Overview

Description:	Rabbit Anti-Chicken IgG (H&L) Antibody Biotin Conjugated - 603-4602
Item No.:	603-4602
Size:	1.5 mg
Reactivity:	Chicken
Host Species:	Rabbit

Product Details

Background:	Anti-Chicken IgG Biotin Antibody generated in rabbit detects chicken IgY. Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the compliment cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F (ab) region possessing the epitope-recognition site. Both heavy and light chains of the antibody molecule are present.
Synonyms:	Rabbit anti-Chicken IgG Biotin Conjugated Antibody, Rabbit anti-Chicken IgG Antibody Biotin Conjugation, Chicken Secondary Antibody, Rabbit anti-Chicken IgY Antibody Biotin
Host Species:	Rabbit
Specificity:	IgG (H&L)
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Chicken
Immunogen Type:	Native Protein
Immunogen:	Anti-Chicken IgY / IgG whole molecule was produced by repeated immunization with Chicken IgY / IgG whole molecule in rabbit.

Purity/Specificity:	Biotin Conjugated Anti-Chicken IgG / IgY secondary antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Chicken IgG / IgY coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Rabbit Serum and Chicken IgG / IgY. Some light chain cross reactivity may be observed against chicken immunoglobulins.

Application Details

Application Note:	Secondary antibodies are ideal for western blotting, Immunohistochemistry, ELISA, Fluorescence Microscopy, Flow Cytometry as well as other antibody detection methods
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:500,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:20,000

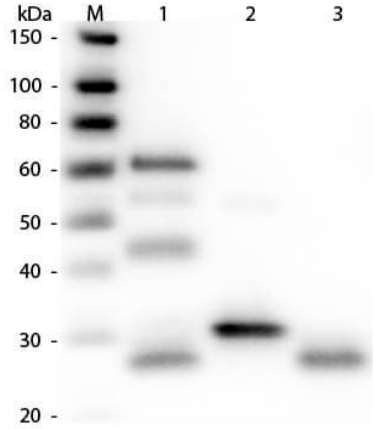
Formulation

Physical State:	Lyophilized
Concentration:	1.5 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store secondary antibody at 4° C prior to restoration. For extended storage aliquot antibody and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Unconjugated Anti-Chicken IgG (H&L) (RABBIT) Antibody (p/n 603-4102). Lane M: 3 µl Molecular Ladder. Lane 1: Chicken IgG whole molecule (p/n 003-0102). Lane 2: Chicken IgG F(c) Fragment (p/n 003-0103). Lane 3: Chicken IgG Fab Fragment (p/n 003-0105). All samples were reduced. Load: 50 ng per lane. Block: MB-070 for 30 min at RT. Primary Antibody: Anti-Chicken IgG (H&L) (RABBIT) Antibody (p/n 603-4102) 1:3,000 for 60 min at RT. Secondary antibody: Anti-Rabbit IgG (GOAT) Peroxidase Conjugated Antibody (p/n 611-103-122) 1:40,000 in MB-070 for 30 min at RT. Predicted/Observed Size: 25 and 72 kDa for Chicken IgY, 25 kDa for F(c) and Fab. Chicken F(c) migrates slightly higher.

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