

Datasheet for 603-106-002**Chicken IgG (H&L) Antibody Biotin Conjugated****Overview**

Description:	Goat Anti-Chicken IgG (H&L) Antibody Biotin Conjugated - 603-106-002
Item No.:	603-106-002
Size:	2 mg
Applications:	ELISA
Reactivity:	Chicken
Host Species:	Goat

Product Details

Background:	Anti-Chicken IgG Biotin Antibody generated in goat 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 complement 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:	goat anti-Chicken IgG Antibody Biotin Conjugation, goat anti-Chicken IgG BAC Conjugated Antibody, goat anti-Chicken IgY Antibody Biotin Conjugation, goat anti-Chicken IgY BAC Conjugated Antibody
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	10-20

Target Details

Reactivity:	Chicken
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Immunogen:	Chicken IgG whole molecule
Purity/Specificity:	Anti-Chicken IgG antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Chicken IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Goat Serum, Chicken IgG and Chicken Serum.

Application Details

Tested Applications:	ELISA
Application Note:	Anti-Chicken IgG Biotin conjugated antibody has been tested by ELISA and is suitable for ELISA, Western Blot and Immunohistochemistry applications. Specific conditions for reactivity should be optimized by end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:98,500
IHC:	1:500 - 1:3,000
WB:	1:3,000 - 1:30,000

Formulation

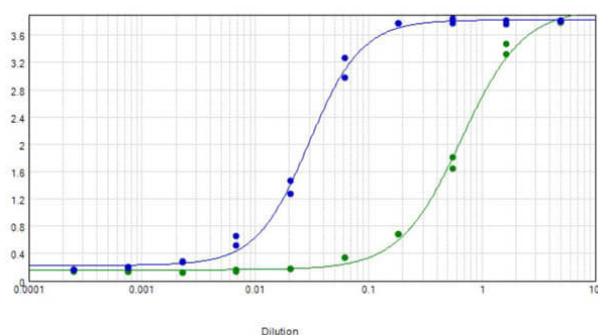
Physical State:	Lyophilized
Concentration:	2.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents 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



ELISA

ELISA results of purified Goat anti-Chicken IgG Biotin Conjugated Antibody tested against purified Chicken IgG (p/n 003-0102). Each well was coated in duplicate with 1.0 µg of Chicken IgY (blue line). The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using Blocking buffer MB-060-1000, Streptavidin HRP conjugate, and TMB-8000 substrate.

Disclaimer

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