Anti-CHICKEN IgG (GOAT) Antibody Biotin Conjugated - 603-106-002

Code: 603-106-002 **Size:** 2 mg

Product Description: Anti-CHICKEN IgG (GOAT) Antibody Biotin Conjugated - 603-106-002

Concentration: 2.0 mg/mL by UV absorbance at 280 nm

PhysicalState: Lyophilized

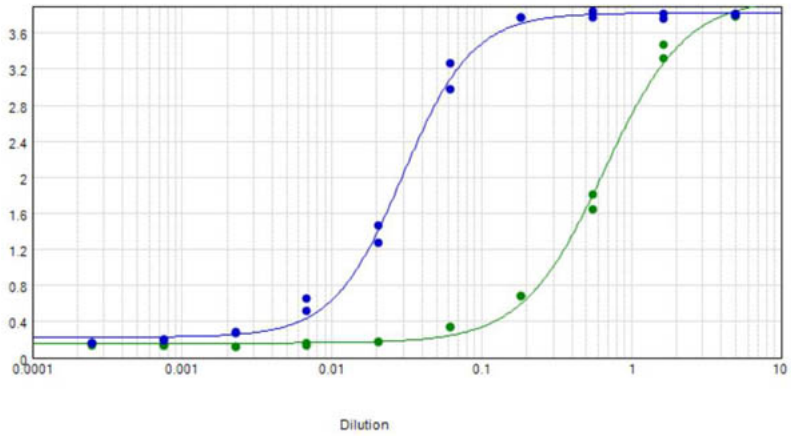
Label	Biotin
Host	Goat
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Reconstitution Volume	1.0 mL
Reconstitution Buffer	Restore with deionized water (or equivalent)
Stabilizer	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Preservative	0.01% (w/v) Sodium Azide
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.
Synonyms	goat anti-Chicken IgG Antibody Biotin Conjugation, goat anti-Chicken IgG Conjugated Antibody
Application Note	Anti-Chicken IgG antibody is suitable for ELISA, Western Blot and Immunohistochemistry applications. Specific conditions for reactivity should be optimized by end user.
Background	Anti-Chicken IgG Biotin Antibody generated in goat detects chicken IgG. 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 opsinization 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.
Purity And 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.
Assay Dilutions	User Optimized
ELISA	1:800,000
Western Blot	1:3,000 - 1:30,000
Immunohistochemistry	1:500 - 1:3,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Chicken IgG whole molecule

Related Products

610-4302	Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302
611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304
BSA-50	BOVINE SERUM ALBUMIN - Fraction V (Immunoglobulin and Protease Free) - BSA-50

Images

1 ELISA results of purified Goat anti-Chicken IgG Biotin Conjugated Antibody tested against purified Chicken IgG. Each well was coated in duplicate with 1.0 µg of Chicken IgG. 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.



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