



Anti-CHICKEN IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 603-103-002

Code: 603-103-002

Size: 2 mg

Product Description: Anti-CHICKEN IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 603-103-002

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

PhysicalState: Lyophilized

Label	Peroxidase (Horseradish)
Host	Goat
Species Reactivity	Chicken
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) Gentamicin Sulfate. Do NOT add 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	Anti-Chicken Antibody, Gt-a-Chicken IgG, Anti-Chicken IgY, gt-a-ch IgY, gt-a-ch IgG, Gt-a-Chicken IgY, Chicken Antibody in Goat, Chicken Secondary Antibody
Application Note	Anti-Chicken IgG (H&L) HRP Conjugated Antibody is tested in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Anti-Chicken IgG HRP Antibody is suitable for IHC. Specific conditions for reactivity and signal detection should be optimized by the end user.
Background	Anti-Chicken IgG Peroxidase 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 complement 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	This product 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-Peroxidase, anti-Goat Serum, Chicken IgG and Chicken Serum.
Assay Dilutions	User Optimized
ELISA	1:20,000 - 1:100,000
Western Blot	1:1,000 - 1:5,000
Immunohistochemistry	1:1,000 - 1:10,000
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Anti-Chicken IgG (H&L) was produced by repeated immunization with Chicken IgG whole molecule in goat.

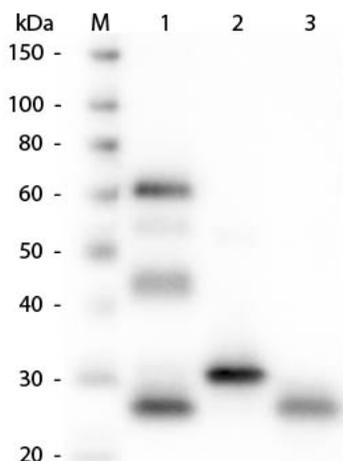
Related Products

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

Images

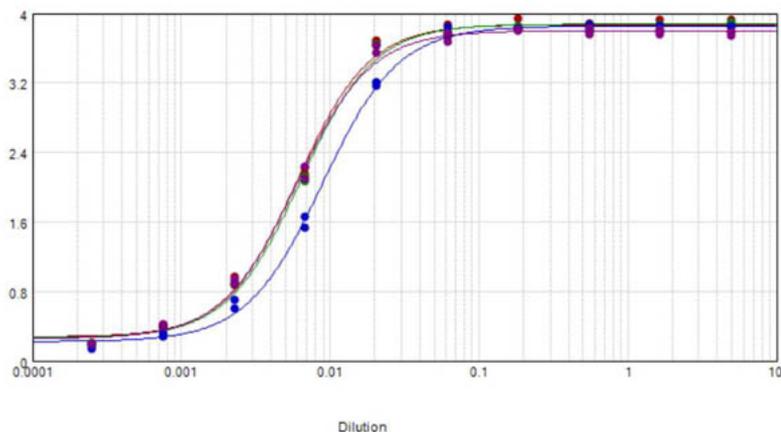
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Western Blot of Anti-Chicken IgG (H&L) (GOAT) Antibody (p/n 603-101-002). Lane M: 3 μ l Molecular Ladder. Lane 1: Chicken IgG whole molecule (p/n 003-0102). Lane 2: Chicken IgG F(c) Fragment (p/n 003-0103). Lane 3: Chicken IgG Fab Fragment (p/n 003-0105). All samples were reduced. Load: 50 ng per lane. Block: MB-070 for 30 min at RT. Primary Antibody: Anti-Chicken IgG (H&L) (GOAT) Antibody (p/n 603-101-002) 1:1,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody (p/n CUST10) 1:40,000 in MB-070 for 30 min at RT. Predicted/Observed Size: 25 and 72 kDa for Chicken IgG, 25 kDa for F(c) and Fab. Chicken F(c) migrates slightly higher.



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ELISA results of purified Goat Anti-CHICKEN IgG Peroxidase Conjugated Antibody tested against purified Chicken IgG. Each well was coated in duplicate with 1.0 μ g of Chicken IgG (red line). The starting dilution of antibody was 5 μ g/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 TMB-1000 substrate.



Disclaimer

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