



Anti-GOLDEN SYRIAN HAMSTER IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 607-1302

Code: 607-1302

Size: 2 mg

Product Description: Anti-GOLDEN SYRIAN HAMSTER IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 607-1302

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

PhysicalState: Lyophilized

Label	Peroxidase (Horseradish)
Host	Goat
Species Reactivity	Golden Syrian Hamster
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	Golden Syrian Hamster Antibody, Gt-a-Golden Syrian Hamster IgG, Golden Syrian Hamster IgG Antibody in Goat, Golden Syrian Hamster Secondary Antibody
Application Note	Anti-Golden Syrian Hamster IgG whole molecule antibody is suitable for use in immunoelectrophoresis, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.
Background	Anti-Golden Syrian Hamster IgG Peroxidase Antibody generated in goat detects Golden Syrian Hamster 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. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition.
Purity And Specificity	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Hamster IgG 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-Peroxidase, anti-Goat Serum, Golden Syrian Hamster IgG and Golden Syrian Hamster Serum. Diminished reactivity will occur against Armenian Hamster IgG.
Assay Dilutions	User Optimized
ELISA	1:7,000 - 1:35,000
Western Blot	1:1,000 - 1:5,000
Immunohistochemistry	1:500 - 1:2,500
Other Assays	User Optimized
Expiration	Expiration date is one (1) year from date of opening.
Immunogen	Anti-Golden Syrian Hamster IgG whole molecule was produced by repeated immunization with Golden Syrian Hamster IgG whole molecule in goat.

Related Products

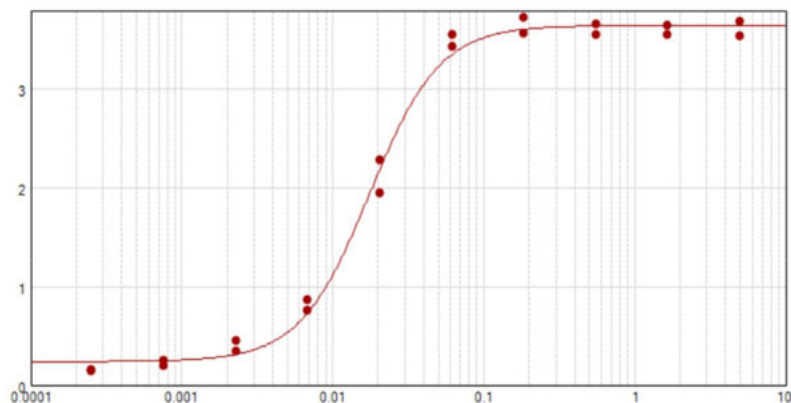
610-4302 Anti-MOUSE IgG (H&L) (RABBIT) Antibody Peroxidase Conjugated - 610-4302

611-1302	Anti-RABBIT IgG (H&L) (GOAT) Antibody Peroxidase Conjugated - 611-1302
B304	NORMAL GOAT SERUM (NGS) - B304
B501-0500	BLOTTO Immunoanalytical Grade (Non-Fat Dry Milk) - B501-0500

Images

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ELISA results of purified Polyclonal Goat Anti-Golden Syrian Hamster IgG Antibody Peroxidase Conjugated tested against Hamster IgG. Each well was coated in duplicate with 1.0 μ g of antigen. 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 substrate (p/n TMBE-1000).



Disclaimer

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