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- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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**Datasheet for 607-4602****Golden Syrian Hamster IgG (H&L) Antibody Biotin Conjugated****Overview**

<b>Description:</b>	Rabbit Anti-Golden Syrian Hamster IgG (H&L) Antibody Biotin Conjugated - 607-4602
<b>Item No.:</b>	607-4602
<b>Size:</b>	1.5 mg
<b>Applications:</b>	ELISA
<b>Reactivity:</b>	Golden Syrian Hamster
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	Anti-Golden Syrian Hamster IgG Biotin Antibody generated in rabbit 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 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. 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. Anti-Golden Syrian Hamster IgG Antibody is ideal for investigators in Cancer, Immunology, and Microbiology research.
<b>Synonyms:</b>	Golden Syrian Hamster IgG (H&L) Antibody, Rabbit-a-Golden Syrian Hamster IgG, Golden Syrian Hamster IgG in Rabbit, Rabbit IgG Secondary Antibody, rabbit anti-hamster IgG antibody
<b>Host Species:</b>	Rabbit
<b>Specificity:</b>	IgG (H&L)
<b>Conjugate:</b>	Biotin
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

## Target Details

<b>Reactivity:</b>	Golden Syrian Hamster
<b>Immunogen:</b>	Hamster IgG whole molecule
<b>Purity/Specificity:</b>	Anti-Golden Syrian Hamster IgG Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Hamster IgG coupled to agarose. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Rabbit Serum, Hamster IgG and Hamster Serum.

## Application Details

<b>Tested Applications:</b>	ELISA
<b>Application Note:</b>	Anti-Golden Syrian Hamster IgG Biotin Conjugation has been tested by ELISA and is assayed against 1.0 ug of Hamster IgG in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:15,000 to 1:60,000 of the reconstitution concentration is suggested for Anti-Golden Syrian Hamster IgG.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:20,000 - 1:100,000
<b>IHC:</b>	1:1,000 - 1:5,000
<b>WB:</b>	1:2,000 - 1:10,000

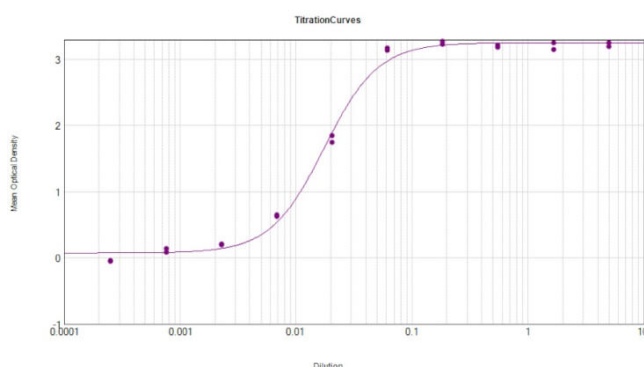
## Formulation

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

## Shipping & Handling

<b>Shipping Condition:</b>	Ambient
<b>Storage Condition:</b>	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.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Images



### ELISA

ELISA Results of Purified Rabbit Anti-Golden Syrian Hamster IgG Antibody Biotin Conjugated tested against purified Golden Syrian Hamster IgG Biotin. Each well was coated in duplicate with 1.0 µg of Golden Syrian Hamster IgG (p/n 007-0102). The working dilution is 1:57,000. 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 HRP Conjugation Stabilizer (p/n MB-076), Streptavidin-HRP conjugated (p/n S000-03), and TMB substrate (p/n TMBE-1000).

## Disclaimer

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