

Datasheet for ABIN101369

Rabbit anti-Golden Syrian Hamster IgG (Heavy & Light Chain) Antibody (Biotin)



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Overview

Quantity:	1.5 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Golden Syrian Hamster
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	Biotin
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Purpose:	Golden Syrian Hamster IgG (H&L) Antibody Biotin Conjugated
Immunogen:	Optional[Immunogen]: Hamster IgG whole molecule
Isotype:	IgG
Cross-Reactivity (Details):	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Rabbit Serum, Hamster IgG and Hamster Serum.
Characteristics:	Anti-Golden Syrian Hamster IgG F(ab') ₂ Alkaline Phosphatase Antibody generated in rabbit is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme pepsin under controlled conditions of temperature, time and pH . F(ab') ₂ Molecules lack the Fc portion of IgG and therefore receptors that bind Golden Syrian Hamster IgG F(c) will not bind Golden Syrian Hamster IgG F(ab') ₂ Molecules. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration

Product Details

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.

Purification: Anti-Golden Syrian Hamster IgG Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Hamster IgG coupled to agarose.

Target Details

Target: IgG

Abstract: [IgG Products](#)

Target Type: Antibody

Background: 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 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.

Application Details

Application Notes: Application Note: Anti-Golden Syrian Hamster IgG Biotin Conjugation has been tested by ELISA and is assayed against 1.0 µg 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. Immunohistochemistry Dilution: 1:1,000 - 1:5,000 Western Blot Dilution: 1:2,000 - 1:10,000 ELISA Dilution: 1:20,000 - 1:100,000 Other: User Optimized

Restrictions: For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Reconstitution Buffer: Restore with deionized water (or equivalent), Reconstitution Volume: 1.0 mL
Concentration:	1.5 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free , Preservative: 0.01 % (w/v) Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	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.
Expiry Date:	12 months