Datasheet for ABIN965012

Goat anti-Armenian Hamster IgG (Heavy & Light Chain) Antibody - Preadsorbed

Go to Product page

1 Image

Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Golden Syrian Hamster, Armenian Hamster
Host:	Goat
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Armenian and Golden Syrian Hamster IgG, whole molecule
Isotype:	IgG
Specificity:	Secondary AntibodyAssay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Golden Syrian Hamster IgG and Armenian Hamster IgG.
Characteristics:	The antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Golden Syrian and Armenian Hamster IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities.
Purification:	Preadsorption: Solid phase absorption

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody

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Target Details

Background:	Synonyms: goat anti-Golden Syrian & Armenian Hamster IgG antibody, goat anti-Hamster IgG antibody Background: Anti-Golden Syrian & Armenian Hamster IgG Antibody generated in goat detects Golden Syrian & Armenian 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.

Application Details

Application Notes:	Immunohistochemistry Dilution: 1:1,000 - 1:5,000 Application Note: Anti-Golden Syrian & Armenian Hamster IgG antibody is suitable for ELISA, western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency. ELISA Dilution: 1:20,000 - 1:100,000 Western Blot Dilution: 1:2,000 - 1:10,000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2 Stabilizer: None 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.

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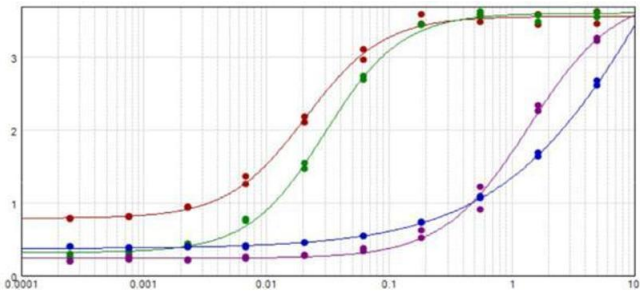
Handling

Storage:	4 °C,-20 °C
Storage Comment:	Store vial at 4 °C prior to restoration. For extended storage aliquot contents and freeze at -24 °C or below. This product is stable for several weeks at 4 °C as an undiluted liquid.
Expiry Date:	12 months

Images



ELISA

Image 1. ELISA results of purified Goat Anti-Golden Syrian & Armenian Hamster IgG (Min X Mouse and Rat Serum Proteins) tested against purified Golden Syrian Hamster IgG and Armenian Hamster IgG. Each well was coated in duplicate with 1.0 µg of protein from different species. Golden Syrian Hamster IgG (Green Line), Armenian Hamster IgG (Red Line), Mouse IgG (Blue Line), and Rat IgG (Purple Line). 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 , Donkey Anti-Goat IgG HRP conjugated , and TMB substrate .

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