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Datasheet for ABIN101345

## Goat anti-Golden Syrian Hamster IgG (Heavy & Light Chain) Antibody (Alkaline Phosphatase (AP)) - Preadsorbed



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# 1 Image

Overview	
Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Golden Syrian Hamster
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Alkaline Phosphatase (AP)
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)
Product Details	
Immunogen:	Immunogen: Golden Syrian Hamster IgG whole molecule
Isotype:	IgG
Specificity:	IgG (H&L)
Characteristics:	Concentration Definition: by UV absorbance at 280 nm
Purification:	Preadsorption: immunoaffinity chromatography using Golden Syrian Hamster IgG coupled to agarose beads
Sterility:	Sterile filtered
Target Details	
Target:	IgG

## **Target Details**

Abstract:	IgG Products
Target Type:	Antibody
Background:	Synonyms: goat anti-Golden Syrian Hamster IgG alkaline phosphatase conjugated antibody,
	goat anti-Hamster IgG alk phos conjugated antibody
	Background: Anti-Golden Syrian Hamster IgG Alkaline Phosphatase 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.

## **Application Details**

Application Notes:	Immunohistochemistry Dilution: 1:200 - 1:1,000
	Application Note: Anti-Golden Syrian Hamster IgG Alk Phos conjugate is suitable for
	immunoblotting (western or dot blot), ELISA, immunoelectron microscopy and
	immunohistochemistry as well as other antibody-based enzymatic assays requiring lot-to-lot
	consistency.
	ELISA Dilution: 1:5,000
	Western Blot Dilution: 1:500 - 1:2,500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M
	Zinc Chloride, 50 % (v/v) Glycerol, pH 8.0
	Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

#### Handling

	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.
Handling Advice:	<b>Do not freeze!</b> Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.
	Do not add Sodium azide.
	Dilute only prior to immediate use
	Each reagent is stable for the period shown on the bottle label if stored as directed.
Storage:	4 °C
Expiry Date:	12 months
Images	

1 2 3 4 5

#### **Dot Blot**

**Image 1.** Dot Blot of Goat anti-Golden Syrian Hamster IgG Antibody Alkaline Phosphatase Conjugated. Antigen: Golden Syrian Hamster IgG. Load: Lane 1 - 200 ng Lane 2 - 66.7 ng Lane 3 - 22.2 ng Lane 4 - 7.41 ng Lane 5 - 2.47 ng. Primary antibody: n/a. Secondary antibody: Goat anti-Golden Syrian Hamster IgG Antibody Alkaline Phosphatase Conjugated at 1:1,000 for 1 HR at RT. Block: ABIN925618 for 1 HR at RT.