

Datasheet for ABIN1043954

## Donkey anti-Guinea Pig IgG (Heavy & Light Chain) Antibody (Alkaline Phosphatase (AP)) - Preadsorbed



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### Overview

Quantity:	1 mg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Guinea Pig
Host:	Donkey
Clonality:	Polyclonal
Conjugate:	Alkaline Phosphatase (AP)
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

### Product Details

Purpose:	Guinea Pig IgG (H&L) Antibody Alkaline Phosphatase Conjugated Pre-Adsorbed
Immunogen:	Optional[Immunogen]: Guinea Pig IgG whole molecule
Isotype:	IgG
Cross-Reactivity (Details):	Minimal crossreactivity against Bv Ch Gt Ham Hs Hu Ms Rb Rt & Sh Serum Proteins Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Donkey Serum, anti-Alkaline Phosphatase, Guinea Pig IgG and Guinea Pig Serum. No reaction was observed against Bovine, Chicken, Goat, Hamster, Horse, Human, Mouse, Rabbit, Rat and Sheep Serum Proteins. This antibody will react with heavy chains of Guinea Pig IgG and with light chains of most Guinea Pig immunoglobulins.
Characteristics:	Anti-Guinea Pig IgG Peroxidase Antibody generated in donkey detects guinea pig IgG.
Purification:	This product was prepared from monospecific antiserum by immunoaffinity chromatography

## Product Details

using Guinea Pig IgG coupled to agarose beads followed by conjugation to fluorochrome and extensive dialysis against the buffer stated above.

Sterility: Sterile filtered

## 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 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.

## Application Details

Application Notes: Application Note: Anti-Guinea Pig IgG Alkaline Phosphatase Antibody has been tested by ELISA and 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. Immunohistochemistry Dilution: 1:200 - 1:1,000 Western Blot Dilution: 1:500 - 1:2,500 ELISA Dilution: 1:2,000 - 1:10,000 Other: User Optimized

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

## Handling

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Zinc Chloride, 50 % (v/v) Glycerol, pH 8.0

Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free  
, Preservative: 0.1 % (w/v) Sodium Azide

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Preservative: Sodium azide

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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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Storage: 4 °C

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Storage Comment: Store vial at 4° C before opening. DO NOT FREEZE. This product is stable at 4° C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.

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Expiry Date: 12 months