Datasheet for ABIN101985

Goat anti-Rabbit IgG (Heavy & Light Chain) Antibody (Alkaline Phosphatase (AP)) - Preadsorbed

3 Images

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Overview

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

Product Details

Immunogen:	Immunogen: Anti-Rabbit IgG (H&L) was produced by repeated immunization with rabbit whole IgG molecule in goat. Immunogen Type: Native Protein
Isotype:	IgG
Specificity:	IgG (H&L)
Cross-Reactivity:	Rabbit
Characteristics:	Anti-Rabbit IgG alkaline phosphatase conjugated antibody generated in goat detects specifically rabbit IgG. This secondary alkaline phosphatase conjugated antibody anti-Rabbit is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and more generally immunoassays. Concentration Definition: by UV absorbance at 280 nm

Product Details

Purification:	Preadsorption: Solid phase absorption
Sterility:	Sterile filtered

Target Details

Target:	IgG
Abstract:	IgG Products
Target Type:	Antibody
Background:	Synonyms: goat anti-Rabbit IgG Antibody Alkaline Phosphatase Conjugation, goat anti-Rabbit IgG Alk Phos Conjugated Antibody, goat anti-rabbit IgG heavy and light chain Antibody conjugated to Alkaline phosphatase Background: Anti-Rabbit IgG (H&L) Alkaline Phosphatase Antibody generated in goat detects reactivity to Rabbit 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 the 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.

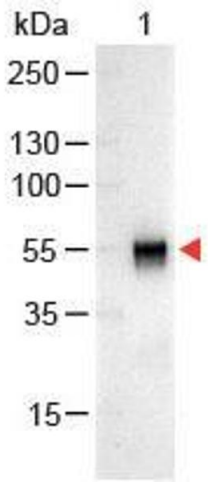
Application Details

Application Notes:	Immunohistochemistry Dilution: 1:200 - 1:1,000 Application Note: Anti-Rabbit IgG (H&L) alkaline phosphatase conjugated antibody is suitable for immunoblotting (western or dot blot), ELISA, immunohistochemistry as well as other alkaline phosphatase-antibody based enzymatic assays requiring lot-to-lot consistency. ELISA Dilution: 1:3,000 - 1:25,000 Western Blot Dilution: 1:1,000 - 1:4,000
Restrictions:	For Research Use only

Handling

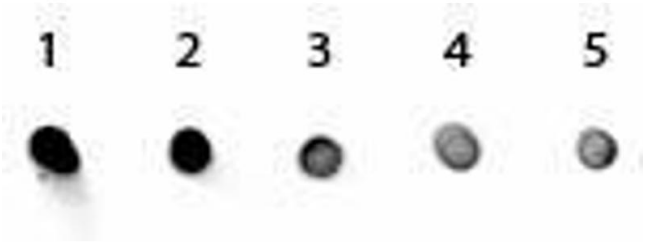
Format:	Liquid
Concentration:	1.0 mg/mL
Buffer:	Buffer: 0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50 % (v/v) Glycerol, pH 8.0 Stabilizer: 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free Preservative: 0.1 % (w/v) Sodium Azide
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:	**Do not freeze!** 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



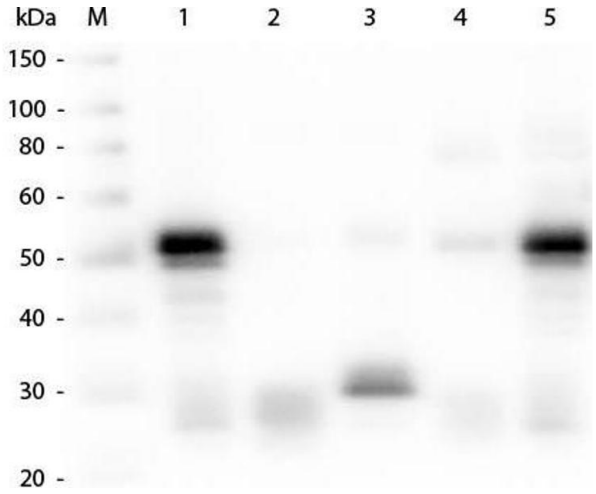
Western Blotting

Image 1. Western Blot of Goat anti-Rabbit IgG Antibody Alkaline Phosphatase Conjugated. Lane 1: Rabbit IgG. Lane 2: None. Load: 100 ng per lane. Primary Antibody: None. Secondary antibody: Alkaline Phosphatase goat secondary antibody at 1:1,000 for 60 min at RT. Block: ABIN925618 for 30 min at RT. Predicted/Observed size: 55 and 28 kDa, 55 kDa for Rabbit IgG. Other Band(s): None.



Dot Blot

Image 2. Dot Blot of Rabbit IgG Antibody Alkaline Phosphatase Conjugated. Antigen: Rabbit IgG. Load: Lane 1 - 200ng Lane 2 - 66.7ng Lane 3 - 22.2ng Lane 4 - 7.4ng Lane 5 - 2.5ng. Primary antibody: none. Secondary antibody: Rabbit IgG Antibody Alkaline Phosphatase Conjugated at 1:1,000 for 60 min at RT. Block: ABIN925618 for 60 min at RT. Reaction visualized using alkaline phosphatase substrate for 30 seconds at RT.



Western Blotting

Image 3. Western Blot of Anti-Rabbit IgG (H&L) (GOAT) Antibody . Lane M: 3 µl Molecular Ladder. Lane 1: Rabbit IgG whole molecule . Lane 2: Rabbit IgG F(ab) Fragment . Lane 3: Rabbit IgG F(c) Fragment . Lane 4: Rabbit IgM Whole Molecule . Lane 5: Normal Rabbit Serum . All samples were reduced. Load: 50 ng per lane. Block: ABIN925618 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG (H&L) (GOAT) Antibody 1:1,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in ABIN925618 for 30 min at RT. Predicted/Obsevered Size: 25 and 50 kDa for Rabbit IgG and Serum, 25 kDa for F(c) and F(ab), 70 and 23 kDa for IgM. Rabbit F(c) migrates slightly higher.