

Datasheet for ABIN965111

Goat anti-Human IgG (Fc Region) Antibody (Alkaline Phosphatase (AP)) - Preadsorbed[Go to Product page](#)**1** Image

Overview

Quantity:	500 µg
Target:	IgG
Binding Specificity:	Fc Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Alkaline Phosphatase (AP)
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

Product Details

Immunogen:	Immunogen: Human IgG F(c) fragment
Isotype:	IgG
Fragment:	F(ab') ₂ fragment
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase, anti-Goat Serum, Human IgG, Human IgG F(c) and Human Serum.
Purification:	Preadsorption: Solid phase absorption
Sterility:	Sterile filtered

Target Details

Target:	IgG
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Target Details

Abstract: [IgG Products](#)

Target Type: Antibody

Background: Synonyms: Goat F(ab')₂ Anti-Human IgG F(c) Alkaline Phosphatase Conjugated Pre-Adsorbed Antibody, Goat Fab₂ Anti-Human IgG Fc Fragment Alkaline phosphatase Conjugated Antibody, Goat F(ab')₂ Anti-Human IgG F(c) Fragment Antibody alk phos Conjugated
Background: F(ab')₂ Anti-Human IgG F(c) Alkaline Phosphatase Antibody generated in goat detects Human F(c). Representing approximately 75 % of serum immunoglobulins in humans, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. 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. F(c) Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

Application Details

Application Notes: Immunohistochemistry Dilution: 1:200 - 1:1,000
Application Note: F(ab')₂ Anti-Human IgG F(c) Alkaline Phosphatase Antibody has been assayed against 1.0 µg of Human IgG in a standard capture ELISA using pNPP p-nitrophenyl phosphate code # NPP-10 as a substrate for 30 minutes at room temperature. A working dilution of 1:4,000 to 1:20,000 of the reconstitution concentration is suggested for this product. Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency.
ELISA Dilution: 1:2,000 - 1:10,000
Western Blot Dilution: 1:500 - 1:2,500

Restrictions: For Research Use only

Handling

Format: Liquid

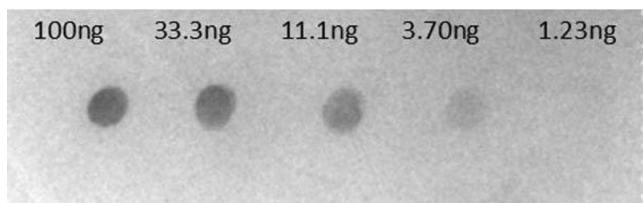
Concentration: 1.0 mg/mL

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:	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
Storage Comment:	This product is stable for several weeks at 4 °C as an undiluted liquid.
Expiry Date:	12 months

Images



Dot Blot

Image 1. Dot Blot of Goat F(ab')₂ Anti-HUMAN IgG F(c) Alkaline Phosphatase Conjugated Antibody Min X Bv Hs Ms & Rt Serum Proteins. Lane 1: 100ng hu IgG. Lane 2: 33.3ng hu IgG. Lane 3: 11.1ng hu IgG. Lane 4: 3.70ng hu IgG. Lane 5: 1.23ng hu IgG. Secondary Antibody: Gt-F(ab')₂ anti-Hu IgG Fc Alk Phos at 1µg/mL. Blocking Buffer: BlockOut for 30 min at RT.