

Datasheet for ABIN965058

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



[Go to Product page](#)

### Overview

Quantity:	500 µg
Target:	IgG
Binding Specificity:	Heavy & Light Chain
Reactivity:	Guinea Pig
Host:	Goat
Clonality:	Polyclonal
Conjugate:	Alkaline Phosphatase (AP)
Application:	ELISA, Immunohistochemistry (IHC), Western Blotting (WB)

### Product Details

Immunogen:	Immunogen: Guinea Pig IgG whole molecule
Isotype:	IgG
Fragment:	F(ab') <sub>2</sub> fragment
Specificity:	Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase, anti-Goat Serum, Guinea Pig IgG and Guinea Pig Serum.
Purification:	PreadSORPTION: immunoaffinity chromatography using Guinea Pig IgG coupled to agarose beads

### Target Details

Target:	IgG
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## Target Details

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Abstract: [IgG Products](#)

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Target Type: Antibody

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Background: Synonyms: Goat F(ab')<sub>2</sub> Anti-Guinea Pig IgG Antibody Alkaline Phosphatase Conjugation, Goat Fab2 Anti-Guinea Pig IgG alk phos Conjugated Antibody

Background: F(ab')<sub>2</sub> Anti-Guinea Pig IgG Alkaline Phosphatase antibody was generated by enzymatic cleavage and subsequent separation from the Fc fragment. Because of their smaller size, F(ab)<sub>2</sub> fragments offer several advantages over intact antibodies for use in certain immunochemical techniques and experimental applications. F(ab)<sub>2</sub> fragments penetrate tissue samples and show better antigen recognition and signal generation in IHC. F(ab)<sub>2</sub> fragments lack the Fc region and therefore do not bind Fc receptors which effectively lowers background staining. F(ab')<sub>2</sub> Antibody is ideal for investigators who routinely perform flow cytometry, immunohistochemistry or IHC and other immunoassays.

## Application Details

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Application Notes: Immunohistochemistry Dilution: 1:200 - 1:1,000

Application Note: Suitable for immunomicroscopy and flow cytometry or FACS analysis as well as other antibody based fluorescent assays requiring lot-to-lot consistency. This product has been assayed against 1.0 µg of Guinea pig 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.

ELISA Dilution: 1:2,000 - 1:10,000

Western Blot Dilution: 1:500 - 1:2,500

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Concentration: 1.0 mg/mL

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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

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Handling Advice: **Do not freeze!** Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity.

**Do not add Sodium azide.**

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## Handling

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Dilute only prior to immediate use

Each reagent is stable for the period shown on the bottle label if stored as directed.

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Storage: 4 °C

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

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Expiry Date: 12 months