## Overview

<table>
<thead>
<tr>
<th>Quantity</th>
<th>1 mg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target</td>
<td>IgG</td>
</tr>
<tr>
<td>Binding Specificity</td>
<td>Fc Region</td>
</tr>
<tr>
<td>Reactivity</td>
<td>Guinea Pig</td>
</tr>
<tr>
<td>Host</td>
<td>Goat</td>
</tr>
<tr>
<td>Clonality</td>
<td>Polyclonal</td>
</tr>
<tr>
<td>Conjugate</td>
<td>Alkaline Phosphatase (AP)</td>
</tr>
<tr>
<td>Application</td>
<td>ELISA, Immunohistochemistry (IHC), Western Blotting (WB)</td>
</tr>
</tbody>
</table>

## Product Details

<table>
<thead>
<tr>
<th>Immunogen</th>
<th>Immunogen: Guinea Pig IgG F(c) fragment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isotype</td>
<td>IgG</td>
</tr>
<tr>
<td>Specificity</td>
<td>IgG F(c)</td>
</tr>
<tr>
<td>Characteristics</td>
<td>Concentration Definition: by UV absorbance at 280 nm</td>
</tr>
<tr>
<td>Purification</td>
<td>Preadsorption: Solid phase absorption</td>
</tr>
<tr>
<td>Sterility</td>
<td>Sterile filtered</td>
</tr>
</tbody>
</table>

## Target Details

<table>
<thead>
<tr>
<th>Target</th>
<th>IgG</th>
</tr>
</thead>
<tbody>
<tr>
<td>Abstract</td>
<td>IgG Products</td>
</tr>
</tbody>
</table>
Target Details

Target Type: Antibody

Background: Synonyms: goat Anti-Guinea Pig IgG F(c) Antibody Alkaline Phosphatase Conjugated, goat Anti-Guinea Pig IgG Fc Fragment Antibody alk phos Conjugated

Background: Anti-Guinea Pig IgG F(c) Alkaline Phosphatase generated in goat is a proteolytic fragment of immunoglobulin G (IgG) obtained by limited digestion with the enzyme papain under controlled conditions of temperature, time and pH. Receptors bind the Fc portion of Guinea Pig IgG and often this fragment is removed from immunoglobulins to minimize receptor binding and lower background reactivity.

Application Details

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

Application Note: 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 1:1,000 to 1:5,000 is suggested for this product.

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

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.
### Handling

Dilute only prior to immediate use
Each reagent is stable for the period shown on the bottle label if stored as directed.

<table>
<thead>
<tr>
<th>Storage:</th>
<th>4 °C</th>
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<tbody>
<tr>
<td>Expiry Date:</td>
<td>12 months</td>
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</tbody>
</table>

### Images

#### Dot Blot

**Image 1.** Dot Blot of Goat anti-Guinea Pig IgG Fc Antibody Alkaline Phosphatase Conjugated. Antigen: Guinea Pig IgG Fc. Load: Lane 1 - 200 ng Lane 2 - 66.67 ng Lane 3 - 22.22 ng Lane 4 - 7.41 ng Lane 5 - 2.47 ng. Primary antibody: none. Secondary antibody: Goat anti-Guinea Pig IgG Fc Antibody Alkaline Phosphatase Conjugated at 1:1,000 for 60 min at RT. Block: ABIN925618 for 60 min at RT. Visualized using NBT-100 Alkaline Phosphatase Substrate for 30 seconds at RT.