

Datasheet for 600-105-098

## Biotin Antibody Alkaline Phosphatase Conjugated

### Overview

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| <b>Description:</b>  | Anti-Biotin (GOAT) Antibody Alkaline Phosphatase Conjugated - 600-105-098 |
| <b>Item No.:</b>     | 600-105-098   |
| <b>Size:</b>         | 1 mg  |
| <b>Applications:</b> | ELISA   |
| <b>Reactivity:</b>   | Biotin  |
| <b>Host Species:</b> | Goat  |

### Product Details

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| <b>Background:</b>   | Biotin Antibody detects Biotin. Biotin is a water-soluble B-complex vitamin (vitamin B7). It is composed of a ureido (tetrahydroimidizalone) ring fused with a tetrahydrothiophene ring. A valeric acid substituent is attached to one of the carbon atoms of the tetrahydrothiophene ring. Biotin is a coenzyme for carboxylase enzymes, involved in the synthesis of fatty acids, isoleucine, and valine, and in gluconeogenesis. Biotin is necessary for cell growth, the production of fatty acids, and the metabolism of fats and amino acids. Anti-Biotin Alkaline Phosphatase Conjugated Antibody is ideal for investigators involved in Cell Signaling and Cell Biology research. |
| <b>Synonyms:</b>     | goat anti-Biotin Antibody Alkaline Phosphatase Conjugation, Alk Phos conjugated goat anti-Biotin Antibody   |
| <b>Host Species:</b> | Goat  |
| <b>Conjugate:</b>    | Alkaline Phosphatase (AP)   |
| <b>Clonality:</b>    | Polyclonal  |
| <b>Format:</b>       | IgG   |

### Target Details

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|------------------------|--|
| <b>Reactivity:</b>     | Biotin   |
| <b>Immunogen Type:</b> | Other  |
| <b>Immunogen:</b>      | Biotin conjugated to Keyhole Limpet Hemocyanin (KLH) |

**Purity/Specificity:** This product was prepared from monospecific antiserum by immunoaffinity chromatography using Biotin coupled to sepharose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Alkaline Phosphatase (calf intestine), anti-Goat Serum and Biotinylated IgG.

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## Application Details

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| <b>Tested Applications:</b> | ELISA   |
| <b>Application Note:</b>    | Anti-Biotin Alkaline Phosphatase conjugated antibody has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA and immunohistochemistry as well as other phosphatase-antibody based enzymatic assays requiring lot-to-lot consistency. |
| <b>Assay Dilutions:</b>     | All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.   |
| <b>ELISA:</b>               | 1:3,000   |
| <b>IHC:</b>                 | 1:200 - 1:1,000   |
| <b>WB:</b>                  | 1:500 - 1:2,500   |

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## Formulation

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| <b>Physical State:</b> | Liquid (sterile filtered)   |
| <b>Concentration:</b>  | 1.0 mg/mL by UV absorbance at 280 nm  |
| <b>Buffer:</b>         | 0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0 |
| <b>Preservative:</b>   | 0.1% (w/v) Sodium Azide   |
| <b>Stabilizer:</b>     | 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free  |

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## Shipping & Handling

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|----------------------------|--|
| <b>Shipping Condition:</b> | Wet Ice  |
| <b>Storage Condition:</b>  | 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. |
| <b>Expiration:</b>         | Expiration date is one (1) year from date of receipt.  |

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## Disclaimer

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