

## Datasheet for 100-1198

# Biotin Antibody

### Overview

<b>Description:</b>	Anti-Biotin (GOAT) Antibody - 100-1198
<b>Item No.:</b>	100-1198
<b>Size:</b>	2 mL
<b>Reactivity:</b>	Biotin
<b>Host Species:</b>	Goat

### Product Details

<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 Antibody is ideal for investigators involved in Cell Signaling and Cell Biology research.
<b>Synonyms:</b>	Goat anti-Biotin Antibody, Goat anti Biotin
<b>Host Species:</b>	Goat
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	Antiserum

### Target Details

<b>Reactivity:</b>	Biotin
<b>Immunogen Type:</b>	Native Protein
<b>Immunogen:</b>	Biotin conjugated to Keyhole Limpet Hemocyanin (KLH)
<b>Purity/Specificity:</b>	This product was prepared from monospecific antiserum by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-goat serum, biotinylated IgG and Biotinylated Bovine Serum Albumin (BSA).

## Application Details

<b>Application Note:</b>	Suitable for immunoblotting (western or dot blot), ELISA, immunoprecipitation and most immunological methods requiring high titer and specificity.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:100,000 - 1:500,000
<b>IHC:</b>	User Optimized
<b>WB:</b>	1:10,000 - 1:50,000

## Formulation

<b>Physical State:</b>	Lyophilized
<b>Concentration:</b>	85 mg/mL by Refractometry
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	None
<b>Reconstitution Volume:</b>	2.0 mL
<b>Reconstitution Buffer:</b>	Restore with deionized water (or equivalent)

## Shipping & Handling

<b>Shipping Condition:</b>	Ambient
<b>Storage Condition:</b>	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Disclaimer

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