

## Anti-BIOTIN (GOAT) Antibody - 600-101-098

**Code:** 600-101-098

**Size:** 1 mg

**Product Description:** Anti-BIOTIN (GOAT) Antibody - 600-101-098

**Concentration:** 1.0 mg/mL by UV absorbance at 280 nm

**PhysicalState:** Liquid (sterile filtered)

<b>Label</b>	Unconjugated
<b>Host</b>	Goat
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Stabilizer</b>	None
<b>Preservative</b>	0.01% (w/v) Sodium Azide
<b>Storage Condition</b>	This product is stable for several weeks at 4° C as an undiluted liquid. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. Dilute only prior to immediate use. Expiration date is one (1) year from date of opening.
<b>Synonyms</b>	goat anti biotin antibody
<b>Application Note</b>	Suitable for immunoprecipitation, immunodiffusion, conjugation and most immunological methods requiring lot-to-lot consistency, high titer and specificity. Optimal concentrations in other immunoassays should be determined by the researcher.
<b>Background</b>	Biotin Antibody detects Biotin. Biotin is a water-soluble B-complex vitamin (vitamin B7). It is composed of a ureido (tetrahydroimidazole) 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>Purity And Specificity</b>	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-Goat Serum, Biotin conjugated IgG and Biotin conjugated Bovine Serum Albumin.
<b>Assay Dilutions</b>	User Optimized
<b>ELISA</b>	1:20,000
<b>Western Blot</b>	1:2,000 - 1:10,000
<b>Immunohistochemistry</b>	1:1,000 - 1:5,000
<b>Other Assays</b>	User Optimized
<b>Expiration</b>	Expiration date is one (1) year from date of opening.
<b>Immunogen</b>	Biotin conjugated to Keyhole Limpet Hemocyanin (b-KLH)
<b>Specific Reference</b>	Liu C, Huang D, Yang T, Cremer PS. (2015) Simultaneous Detection of Multiple Proteins that Bind to the Identical Ligand in Supported Lipid Bilayers. Anal Chem. 2015 Jul 21;87(14):7163-70. doi: 10.1021/acs.analchem.5b00999. Epub 2015 Jun 30.

### Related Products

010-0602	MOUSE IgG whole molecule Biotin conjugated - 010-0602
100-4198	Anti-BIOTIN (RABBIT) Antibody - 100-4198
600-141-098	Anti-BIOTIN (GOAT) Antibody DyLight™ 488 Conjugated - 600-141-098
B304	NORMAL GOAT SERUM (NGS) - B304

### Disclaimer

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