

Anti-BIOTIN (RABBIT) Antibody
Biotin Antibody
Catalog # ASR5137

Specification

Anti-BIOTIN (RABBIT) Antibody - Product Information

Host	Rabbit
Conjugate	Unconjugated
Clonality	Polyclonal
Application	WB, IHC, E, I, LCI
Application Note	Anti-Biotin Antibody has been tested by ELISA and is suitable for immunoprecipitation, immunodiffusion, conjugation and most immunological methods requiring lot-to-lot consistency, high titer and specificity.
Physical State	Liquid (sterile filtered)
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Immunogen	Biotin conjugated to Keyhole Limpet Hemocyanin (KLH)
Preservative	0.01% (w/v) Sodium Azide

Anti-BIOTIN (RABBIT) Antibody - Additional Information

Purity

Biotin Antibody 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-Rabbit Serum, Biotin conjugated IgG and Biotin conjugated Bovine Serum Albumin.

Storage Condition

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.

Precautions Note

This product is for research use only and is not intended for therapeutic or diagnostic applications.

Anti-BIOTIN (RABBIT) Antibody - Protein Information

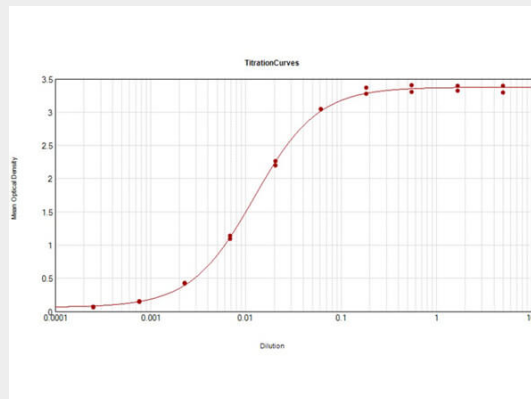
Anti-BIOTIN (RABBIT) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)

- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-BIOTIN (RABBIT) Antibody - Images



ELISA Results of purified Rabbit Anti-Biotin Antibody tested against BSA-Biotin of immunogen. Each well was coated in duplicate with 1.0 μg of conjugate. The starting dilution of antibody was 5 $\mu\text{g}/\text{ml}$ and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using Blocking buffer (p/n MB-060-1000), Goat anti-Rabbit IgG HRP conjugated (p/n 611-103-122), and TMB substrate (p/n TMBE-1000).

Anti-BIOTIN (RABBIT) Antibody - Background

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.