

Anti-BIOTIN (MOUSE) Monoclonal Antibody
Biotin Monoclonal Antibody
Catalog # ASR4133

Specification

Anti-BIOTIN (MOUSE) Monoclonal Antibody - Product Information

Host	Mouse
Conjugate	Unconjugated
Clonality	Monoclonal
Application	WB, IHC, E, I, LCI
Application Note	Anti-Biotin antibody has been tested in ELISA, western, blot and immunofluorescence and is suitable for lateral flow, 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	Anti-Biotin Antibody was produced by repeated immunizations with Biotin conjugated to Keyhole Limpet Hemocyanin (b-KLH).
Preservative	0.01% (w/v) Sodium Azide

Anti-BIOTIN (MOUSE) Monoclonal Antibody - Additional Information

Purity

Anti-Biotin Antibody was prepared from mouse ascites by Protein A chromatography sepharose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-mouse serum, Biotin conjugated IgG and Biotin conjugated Bovine Serum Albumin.

Storage Condition

Store Anti-Biotin at -20° C prior to opening. 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. This product is stable for several weeks at 4° C as an undiluted liquid. 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 (MOUSE) Monoclonal Antibody - Protein Information

Anti-BIOTIN (MOUSE) Monoclonal 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 (MOUSE) Monoclonal Antibody - Images

Anti-BIOTIN (MOUSE) Monoclonal 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.