

Mouse Biotin Monoclonal Antibody

Mouse anti Biotin Monoclonal Antibody

CATALOG #	HOST	APPLICATIONS
AAA71343	Mouse	Immunoprecipitation, Flow Cytometry, Functional Assay, ELISA, Western Blot, Immunohistochemistry

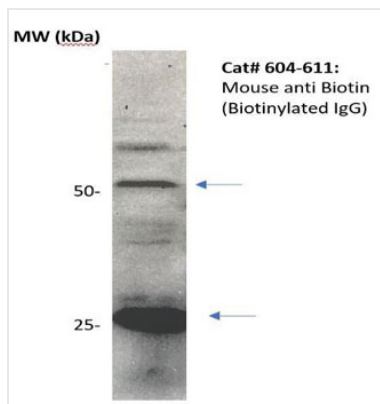
PRODUCT SYNONYMS

Biotin; Monoclonal Antibody; Mouse anti Biotin Monoclonal Antibody; anti-Biotin antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	Z021
Specificity	This antibody recognizes biotin compound.
Purity/Purification	The Mouse IgG is purified by Affinity Purification
Form/Format	This affinity purified antibody is supplied in sterile phosphate buffered saline (pH 7.2) containing antibody stabilizer.
Sequence Length	320
Applicable Applications for anti-Biotin antibody	IP (Immunoprecipitation), FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot), IHC (Immunohistochemistry)
Antigen Preparation	A chemical linked Biotin
Positive Control	Biotinylated protein
Cellular Location	Cell Membrane
Preparation and Storage	The antibodies are stable for 12 months from date of receipt when stored at -20°C to -70°C. The antibodies can be stored at 2° to 8°C for three months without detectable loss of activity. Avoid repeated freezing-thawing cycles.

IMAGES



WB (Western Blot)

Western Blot: The biotinylated IgG was resolved onto 12% SDS-PAGE, transferred onto NC membrane, and detected by Mouse anti-Biotin (Cat# 604-100) at 1:1000. Observed two major immunoreactive bands at molecular weight 50kDa and 25 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-Biotin antibody	Biotin is a water-soluble vitamin that serves as an essential coenzyme for five carboxylases in mammals. Biotin-dependent carboxylases catalyze the fixation of bicarbonate in organic acids and play crucial roles in the metabolism of fatty acids, amino acids and glucose. Carboxylase activities decrease substantially in response to biotin deficiency. Biotin is also covalently attached to histones; biotinylated histones are enriched in repeat regions in the human genome and appear to play a role in transcriptional repression of genes and genome stability. In some applications, localization of biotinylated probes with avidin produces unacceptably high background staining. Anti-biotin antibody may be substituted to decrease this noise.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	320088538
UniProt Accession #	E9A979
Molecular Weight	244 Dalton (plus biotinylated protein)
NCBI Official Full Name	biotin

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/biotin-antibody-clone-z021-immunoprecipitation-flow-cytometry-western-blot-immunohistochemistry-elisa/71343>