Product datasheet

Anti-Biotin antibody [Hyb-8] ab201341

Overview

Product name: Anti-Biotin antibody [Hyb-8]
Description: Mouse monoclonal [Hyb-8] to Biotin
Host species: Mouse
Specificity: ab201341 recognizes both the free and protein-conjugated (either soluble or cell bound) form of biotin. ab201341 is highly specific to biotin and shows no cross-reaction with other structurally related compounds.

Tested applications: Suitable for: Flow Cyt, In situ hybridization, WB, ICC/IF, IHC-P, Other

Immunogen: Other Immunogen Type corresponding to Biotin. (Biotinylated sheep immunoglobulin).
Positive control: Biotinylated proteins in solution or on tissues.
General notes: ab201341 has a very high affinity for biotin and is excellent for use in various amplification techniques. In some applications, localization of biotinylated probes with avidin produces unacceptably high background staining. Anti-biotin antibody may be substituted to decrease this noise.

Properties

Form: Liquid
Storage buffer: Preservative: 0.05% Sodium azide
Constituents: 99% PBS, 0.05% BSA
Purification notes: ab201341 is purified from Bioreactor Concentrate by Protein A/G column chromatography.
Clonality: Monoclonal
Clone number: Hyb-8
Isotype: IgG1

Applications

Our Abpromise guarantee covers the use of ab201341 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
Relevance

Biotin is a water soluble vitamin, generally classified as a B complex vitamin, also called vitamin B4. After the initial discovery of biotin, nearly forty years of research were required to establish it as a vitamin. Biotin is required by all organisms but can only be synthesized by bacteria, yeasts, molds, algae, and some plant species. Biotin is required as prosthetic group of enzymes involved in incorporation of carbon dioxide into organic compounds. Biotin has a MW of 244 Da.

Target

Images

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue stained with biotinylated Lambda Light Chain probe followed by ab201341 at 1 µg/ml.

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