# ANTI-BIOTIN

**Anti-Biotin Monoclonal Antibody**
**Clone C6D5.1.1**

**Catalog # 01405** **0.1 mL (100 µg)**

## SPECIFICITY:

Biotin (Vitamin H) is commonly coupled to proteins and other molecules for use in a number of applications. Both Avidin and streptavidin form strong non-covalent bonds with biotin in a 1:4 ratio and thus efficiently cross-link biotinylated molecules. Both Avidin and streptavidin can however exhibit non-specific binding that can be problematic in certain applications. Cross-linking of biotinylated molecules, such as immunoglobulins, can also be achieved using anti-biotin antibodies such as clone C6D51.1. This approach may be preferable to eliminate the non-specific binding problems associated with streptavidin, or when a lesser degree of cross-linking is required.

## CLONE: C6D5.1.1

## ISOTYPE: $IgG_1$ (mouse)

## PREPARATION:

Monoclonal C6D5.1.1 was generated by immunizing Balb/c mice with KLH-biotin in IFA.
Fusion Partner - SP2/0
Purified from hybridoma culture supernatants by affinity chromatography on protein A Sepharose.
Filter sterilized.

## FORMAT:

1 mg/mL in phosphate buffered saline. Does not contain sodium azide.

## STABILITY AND STORAGE:

Store at 4ºC. DO NOT FREEZE. Product is stable for 2 years. Addition of 0.1% sodium azide (final) is recommended once vial is opened.

Contents sterile if unopened.

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**APPLICATIONS AND DIRECTIONS FOR USE:**

Centrifuge tube briefly before use to ensure recovery of entire contents.
This antibody is used in the StemSep™ immunomagnetic selection system to deplete cells labelled with biotinylated monoclonal antibodies. This antibody can be used for cross-linking biotinylated molecules for a variety of applications.

**THIS REAGENT IS FOR RESEARCH ONLY.**
**IT IS NOT TO BE ADMINISTERED TO HUMANS**

**REFERENCES:**

Lansdorp PM, Thomas TE: Purification and analysis of bispecific tetrameric antibody complexes. Mol Immunol 27: 659, 1990.

Horrocks C, Fairhurst M, Peters C, Thomas T: A comparison of commercially available methods for the isolation of murine lymphocyte subsets. Immunology 92 (Suppl. 1): 45, 1997 (abstr).