

Anti-Biotin Antibody, Clone C6D5.1.1

Antibodies

Mouse monoclonal IgG1 antibody
against biotin, unconjugated

Catalog #60145

100 µg 1 mg/mL



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Product Description

The C6D5.1.1 antibody reacts with biotin (vitamin H, vitamin B7, coenzyme R), a 244.3 Da molecule that is present in all living cells and is essential for cell growth and the citric acid cycle. Biotin is commonly coupled to proteins and other molecules without altering their biological activity 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 nonspecific 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 C6D5.1.1. 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.

Target Antigen Name:	Biotin
Alternative Names:	Coenzyme R, Vitamin B7, Vitamin H
Gene ID:	Not applicable
Species Reactivity:	Not applicable
Host Species:	Mouse (BALB/c)
Clonality:	Monoclonal
Clone:	C6D5.1.1
Isotype:	IgG1
Immunogen:	Biotin conjugated to keyhole limpet hemocyanin
Conjugate:	Unconjugated

Applications

Verified:	CellSep
Reported:	CellSep, Cross-linking, ELISA

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

Properties

Formulation:	Phosphate-buffered saline
Purification:	The antibody was purified by affinity chromatography.
Stability and Storage:	Product stable at 2 - 8°C when stored undiluted. Do not freeze. Addition of 0.1% sodium azide (final) is recommended once the vial has been opened. For product expiry date, please contact techsupport@stemcell.com .
Directions for Use:	It is recommended that the antibody be titrated for optimal performance for each application.

Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

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