

# Anti-Biotin (1D4-C5)

			
PE	BIOTPE-100UG	100 µg	

## 1. PRODUCT DESCRIPTION

**Clone:** 1D4-C5  
**Isotype:** Mouse / IgG2a, kappa  
**Tested application:** flow cytometry  
**Immunogen:** Biotinylated limulus hemocyanin  
**Species reactivity:** N/A  
**Storage instruction:** store in the dark at 2-8 °C  
**Storage buffer:** aqueous buffered solution containing protein stabilizer and 0.09% sodium azide (NaN<sub>3</sub>).  
**Recommended usage:** Immunostep's Anti-Biotin, clone 1D4-C5, is a monoclonal antibody intended for the detection of biotinylated molecules by flow cytometry.  
 Biotin (vitamin B7 or vitamin H) is a low-molecular-weight vitamin that is frequently used as a hapten to label antibodies, proteins, and other biomolecules due to its strong and specific interaction with avidin- or streptavidin-based systems. The Anti-Biotin antibody specifically recognizes biotin moieties conjugated to target molecules, enabling their sensitive detection as a second-step reagent.

This reagent is suitable for flow cytometric detection of biotinylated antibodies and probes and is commonly used in immunophenotyping, multicolor panel design, and research applications requiring indirect labeling strategies. Its PE conjugation allows bright signal detection and makes it particularly useful for identifying low-abundance targets or optimizing complex flow cytometry panels.

This antibody is designed for use in flow cytometry. This reagent is effective for direct immunofluorescence staining of human tissue for flow cytometric analysis using 0.06 µg test for 10<sup>6</sup> cells.

**Presentation:** liquid  
**Concentration:** 0.2 mg/ml  
**Source:** Supernatant proceeding from an in vitro cell culture of a cell hybridoma.  
**Purification:** Affinity chromatography.

## 2. ANTIGEN DETAILS

Biotin, a low-molecular-weight vitamin that serves as a high-affinity ligand for avidin and streptavidin, widely used for the labeling and detection of biomolecules in immunological assays.

**Other Names:** N/A

**Gene ID:** N/A

**UniProt ID:** N/A

**Molecular weight:** 0,244 kDa








For research use only, not for diagnostic procedures.  
 Please, refer to [www.immunostep.com](http://www.immunostep.com) technical support for more information.

## 3. WARRANTY

Warranted only to conform to the quantity and contents stated on the label or in the product labelling at the time of delivery to the customer.

Immunostep disclaims hereby other warranties. Immunostep's sole liability is limited to either the replacement of the products or refund of the purchase price.

## 4. EXPLANATION OF SYMBOLS

	Form
	Catalog reference
	Contains sufficient for <n> test
	Quantity per test
	Regulatory Status
	Research Use Only
	Manufacturer

## 5. MANUFACTURED BY:



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