

Datasheet for ABIN135169  
**anti-CD24 antibody (Biotin)**



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1 Image

## Overview

Quantity:	0.5 mg
Target:	CD24
Reactivity:	Mouse
Host:	Rat
Clonality:	Monoclonal
Conjugate:	This CD24 antibody is conjugated to Biotin
Application:	Flow Cytometry (FACS)

## Product Details

Immunogen:	Unknown
Clone:	91
Isotype:	IgG2a
Specificity:	Mouse CD24, Mr 35-45 kDa
Characteristics:	Rat Anti-Mouse CD24-BIOT

## Target Details

Target:	CD24
Alternative Name:	CD24 ( <a href="#">CD24 Products</a> )
Background:	CD24, also known as heat stable antigen, is a phosphatidylinositol-linked cell surface glycoprotein that is expressed at all stages of B cell development and on most thymocytes. The

## Target Details

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absence of expression from mature T cells is closely associated with their maturation from CD4+CD8+CD24+ thymocytes to either CD4+CD8-CD24- or CD4-CD8+CD24- T cells. CD24 is also present on mouse granulocytes, monocytes, Langerhans cells and erythrocytes. Its ligand is P-selectin (CD62P). CD24 may play a role in regulation of B cell proliferation and differentiation, and it has been proposed that heat stable antigen promotes homotypic adhesion between B lymphocytes.

Pathways: [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Activated T Cell Proliferation](#)

## Application Details

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Application Notes: 

- **Applications:** FC - Quality tested , IHC-FS - Reported in literature
- **Working Dilutions:** Flow Cytometry FITC and BIOT conjugates 3 g/10<sup>6</sup> cells PE, APC, and SPRD conjugates 0.3 g/10<sup>6</sup> cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

Sample Volume: 1 mL

Restrictions: For Research Use only

## Handling

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Concentration: 0.5 mg/mL

Buffer: 0.5 mg in 1.0 mL of PBS/Sodium azide

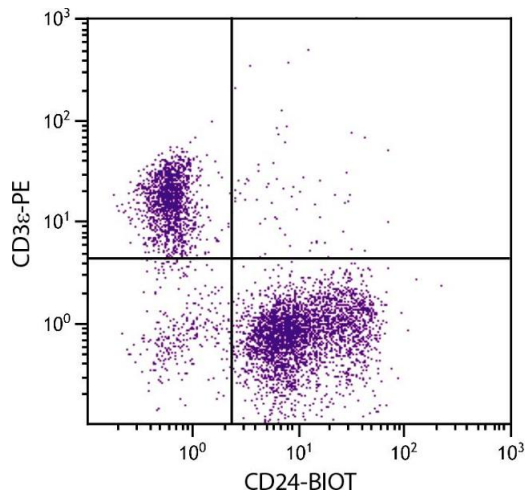
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: **Protect conjugated products from light.**  
Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage: 4 °C

Storage Comment: Store at 2-8°C



### Flow Cytometry

**Image 1.** C57BL/6 mouse splenocytes were stained with Rat Anti-Mouse CD24-BIOT.