

## Datasheet for ABIN135358

### anti-CD24 antibody



[Go to Product page](#)

#### 1 Image

#### Overview

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

#### Product Details

|                  |                          |
|------------------|--------------------------|
| Immunogen:       | Mouse thymus or spleen   |
| Clone:           | 30-F1                    |
| Isotype:         | IgG2c                    |
| Specificity:     | Mouse CD24, Mr 35-45 kDa |
| Characteristics: | Rat Anti-Mouse CD24-UNLB |
| Purification:    | Purified                 |

#### Target Details

|                   |                                                                                                  |
|-------------------|--------------------------------------------------------------------------------------------------|
| Target:           | CD24                                                                                             |
| Alternative Name: | CD24 ( <a href="#">CD24 Products</a> )                                                           |
| Background:       | CD24 is expressed in B cells until their terminal differentiation into plasma cells. It has been |

## Target Details

used widely as a marker to fractionate different B-lineage differentiation stages. CD24 has been found on a variety of other hematopoietic and neural cell types, and is now classified as a costimulatory molecule. The CD24/HSA molecule is composed mostly of carbohydrate, with a protein core of only 31-35 amino acids in the human and 27 AA in the mouse. The molecular mass is variable, ranging from 38-70 kDa. CD24 is now included in the large group of phosphatidylinositol-anchored membrane proteins. Studies with purified CD24 applied to latex beads have demonstrated a self-binding property, suggesting that the molecule is capable of promoting homotypic aggregation, binding and cell adhesion. This is supported by earlier observations of the blockade of B cell lymphoblast aggregation with anti-CD24 monoclonal antibody. Recent studies of murine CD24 have assigned a role for CD24/HSA as a ligand for P-selectin, a calcium-dependent lectin.

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

## Application Details

Application Notes: 

- **Applications:** FC - Quality tested
- **Working Dilutions:** Flow Cytometry FITC and BIOT conjugates 2 g/10<sup>6</sup> cells PE, APC, and SPRD conjugates 0.2 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

Concentration: 0.5 mg/mL

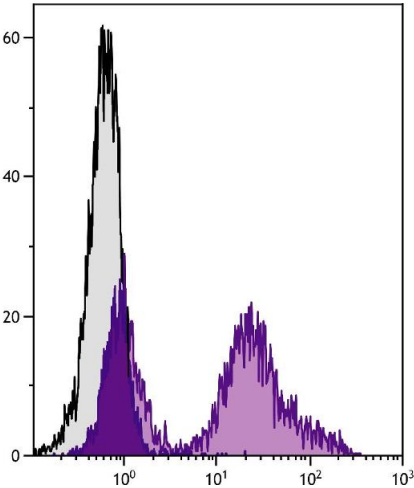
Buffer: 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. No preservatives or amine-containing buffer salts added

Preservative: Without preservative

Handling Advice: 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-UNLB.