

## PE/Cyanine5.5 Anti-Mouse CD24 Antibody[M1/69]

Catalog Number: E-AB-F1179I

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

Reactivity	Mouse
Host	Rat
Isotype	Rat IgG2b, $\kappa$
Clone No.	M1/69
Isotype Control	PE/Cyanine5.5 Rat IgG2b, $\kappa$ Isotype Control[LTF-2] [Product E-AB-F09842I]
Conjugation	PE/Cyanine 5.5
Conjugation Information	PE/Cyanine5.5 is designed to be excited by the Blue (488 nm), Green (532 nm) and yellow-green (561 nm) lasers and detected using an optical filter centered near 690 nm (e.g., a 690/50 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer and 1% protein protectant.

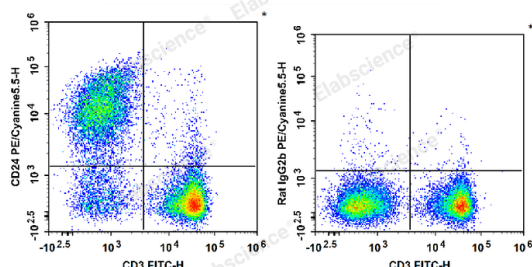
### Applications

### Recommended usage

#### FCM

Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5  $\mu$ L of antibody per test (million cells in 100  $\mu$ L staining volume or per 100  $\mu$ L of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

### Data



C57BL/6 murine splenocytes are stained with FITC Anti-Mouse CD3 Antibody and PE/Cyanine5.5 Anti-Mouse CD24 Antibody (Left). Splenocytes are stained with FITC Anti-Mouse CD3 Antibody and PE/Cyanine5.5 Rat IgG2b,  $\kappa$  Isotype Control (Right).

### Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 12 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

### Antigen Information

Alternate Names	Ly-52;Cd24a;HAS;Nectadrin;R13-Ag;X62 heat stable antigen
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### For Research Use Only

**Uniprot ID**

P24807

**Gene ID**

12484

**Background**

CD24 is a 35-45 kD protein also known as Heat Stable Antigen (HSA), Ly-52, or Nectadrin. It is a GPI-linked sialoglycoprotein expressed on lymphocytes, granulocytes, epithelial cells, thymocytes, monocytes, erythrocytes, and dendritic cells. CD24 expression varies during T and B cell differentiation and is a useful marker for delineating various lymphocyte developmental stages. CD24 serves as an adhesion or costimulatory molecule involved in T and B lymphocyte activation and differentiation by homophilic binding or binding to CD62P.

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Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V1.5