

For Research Use Only

# CD24 Monoclonal antibody

Catalog Number: 67627-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 67627-1-Ig	<b>GenBank Accession Number:</b> BC007674	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1000 µg/ml	<b>GeneID (NCBI):</b> 100133941	<b>CloneNo.:</b> 1H5C4
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P25063	<b>Recommended Dilutions:</b> WB 1:5000-1:50000
<b>Isotype:</b> IgG1	<b>Full Name:</b> CD24 molecule	
<b>Immunogen Catalog Number:</b> AG11679	<b>Calculated MW:</b> 8 kDa	
	<b>Observed MW:</b> 42 kDa	

## Applications

<b>Tested Applications:</b> FC, WB, ELISA	<b>Positive Controls:</b> WB : MCF-7 cells, Raji cells, Ramos cells, Daudi cells, Jurkat cells, K-562 cells, HL-60 cells
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human	
<b>Cited Species:</b> human	

## Background Information

CD24 (known as heat stable antigen) is a small highly glycosylated GPI-linked sialoprotein. It is normally expressed at the surface of most B lymphocytes and differentiating neuroblasts, and it is also up-regulated in a wide variety of cancers. Studies have shown that CD24 functions in the regulation of B-cell apoptosis, leukocyte signal transduction, and leukocyte adhesion. Since it is highly glycosylated, the apparent molecular weight of CD24 could be variable, ranging from 30 kDa to 70 kDa. (Ref: Akihiko Sano, MD., 2009)

## Notable Publications

Author	Pubmed ID	Journal	Application
Xudong Zhu	38164371	Breast Cancer (Dove Med Press)	WB

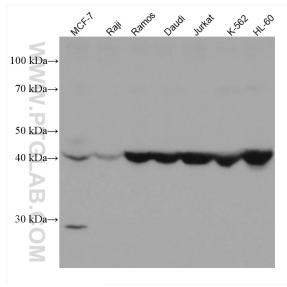
## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

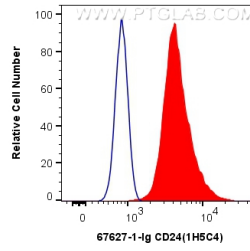
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67627-1-Ig (CD24 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



$1 \times 10^6$  Ramos cells were intracellularly stained with 0.4  $\mu$ g Anti-Human CD24 (67627-1-Ig, Clone:1H5C4) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (red), or 0.4  $\mu$ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).