

For Research Use Only

# CD24 Monoclonal antibody, PBS Only



Catalog Number: 67627-1-PBS

## Basic Information

Catalog Number:

67627-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG11679

GenBank Accession Number:

BC007674

GeneID (NCBI):

100133941

UNIPROT ID:

P25063

Full Name:

CD24 molecule

Calculated MW:

8 kDa

Observed MW:

42 kDa

Purification Method:

Protein A purification

CloneNo.:

1H5C4

## Applications

Tested Applications:

WB,FC,ELISA

Species Specificity:

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)

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS only

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

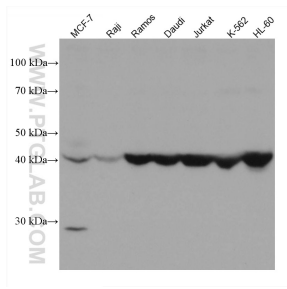
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

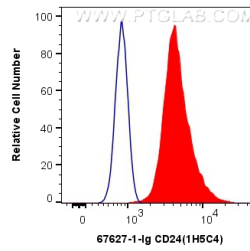
W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 67627-1-PBS in a different storage buffer formulation.



$1 \times 10^6$  Ramos cells were intracellularly stained with 0.4 ug 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 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 67627-1-PBS in a different storage buffer formulation.