For Research Use Only

CD24 Monoclonal antibody, PBS Only

Catalog Number:67627-1-PBS

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Basic Information

Catalog Number:
67627-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

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

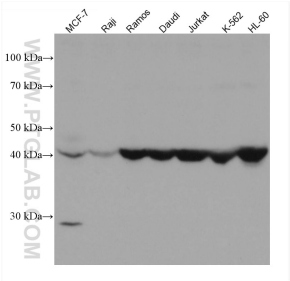
CD24 (known as heat stable antigen) is a small highly glycosylated GPI-linked sialoprotein. It is normally expressed at the surface of most B lymphocytes and differentiating neuroblasts, and it is also up-regulated in a wide variety of cancers. Studies have shown that CD24 functions in the regulation 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

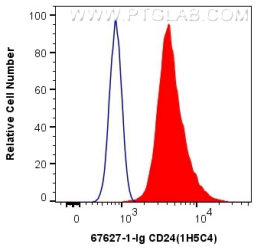
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS only
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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.



1X10^6 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.