

Human CD24 Antibody

Monoclonal Mouse IgG_{2A} Clone # ML5 Catalog Number: MAB5247

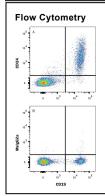
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human CD24
Source	Monoclonal Mouse IgG _{2A} Clone # ML5
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human CD24
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website

Recommended Sample Concentration	
Flow Cytometry 0.25 µg/10 ⁶ cells See Below	

DATA



Detection of CD24 in Human Blood Lymphocytes by Flow Cytometry. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD19 PE-conjugated Monoclonal Antibody (Catalog # FAB4867P) and either (A) Mouse Anti-Human CD24 Monoclonal Antibody (Catalog # MAB5247) or (B) Mouse IgG2A Isotype Control Antibody (Catalog # MAB003) followed by APC-conjugated Goat anti-Mouse IgG secondary antibody (Catalog # F0101B). View our protocol for Staining Membrane-associated Proteins

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	

Stability & Storage

Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

CD24, also known as heat stable antigen (HSA), is a heavily and variably glycosylated 35-60 kDa GPI-linked sialoprotein that is expressed on B cells, T cells, keratinocytes, and myofiber synaptic nuclei and is up-regulated in a wide variety of cancers. It is also a marker for exosomes released into the urine and amniotic fluid. CD24 binds to P-Selectin on activated platelets and vascular endothelial cells. CD24 ligation induces tumor cell apoptosis and is important for the deletion of autoreactive T cells. Mature human CD24 shares 30% and 42% as sequence identity with mouse and rat CD24, respectively.

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