Human CD24 APC-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # ML5

Catalog Number: FAB5247A

100 TESTS

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
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

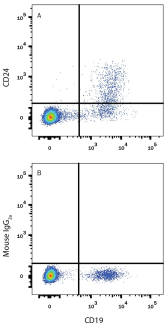
APPLICATIONS

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 Concentration	Sample
Flow Cytometry	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



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 APC-conjugated Monoclonal Antibody (Catalog # FAB5247A) or (B) Mouse IgG_{2A} Allophycocyanin Isotype Control (Catalog # IC003A). View our protocol for Staining Membrane-associated Proteins.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	**Protect from light. Do not freeze.** ● 12 months from date of receipt, 2 to 8 °C as supplied.

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% aa sequence identity with mouse and rat CD24, respectively.

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