

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	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2 mg/mL 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	0.25-1 µg/10 ⁶ cells	Human peripheral blood lymphocytes

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. <ul style="list-style-type: none"> 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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