

Anti-Hu CD24 Purified Monoclonal Antibody

Catalog Number: M00373

About CD24

CD24, also known as heat-stable antigen (HSA) or nectadorin, is a small mucin-like GPI-anchored extracellular membrane glycoprotein expressed on several cell types, including B cells. When B cells are activated and induced to further maturation, however, CD24 begins to disappear. CD24 seems to act as a gate-keeper for lipid rafts, thereby regulating the activity of integrins and other proteins such as the chemokine receptor CXCR4; it is also a ligand for P-selectin. CD24 triggering induces apoptosis of B cell precursors but not in mature resting B cells, where it instead inhibits their ability to proliferate in response to activation. CD24 expression is associated with invasiveness and poorer prognosis of carcinomas and is a marker of exosomes secreted into urine and amniotic fluid.

Overview

Product Name	Anti-Hu CD24 Purified Monoclonal Antibody
Reactive Species	Human
Description	Boster Bio Anti-Hu CD24 Purified Monoclonal Antibody (Catalog# M00373). Tested in Flow Cytometry, IHC-F, MC (CyTOF) application(s). This antibody reacts with Human.
Application	Flow Cytometry, IHC-F, CyTOF
Clonality	Monoclonal SN3
Formulation	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Storage Instructions	Store at 2-8°C. Do not freeze.
Host	Mouse
Uniprot ID	P25063

Technical Details

Immunogen	Glycoproteins purified from human NALM-1 cell line. The antibody SN3 reacts with CD24, a 35-45 kDa heavily glycosylated cell surface antigen. CD24 is expressed by granulocytes, B lymphocytes and by some activated T cells and T cell malignancies. It is not expressed on human thymocytes.
Predicted Reactive Species	Primate
Isotype	Mouse IgG1
Form	Liquid
Concentration	1 mg/ml
Purification	Purified by protein-A affinity chromatography.

Suggested Dilutions

Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.

If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.

Some PubMed article(s) citing the expression level of this target are as follows:

Boster Bio's internal QC testing used:

Immunohistochemistry (frozen sections): Positive tissue: tonsil.

Flow cytometry: 1-12 µg/ml

Anti-Hu CD24 Purified Monoclonal Antibody (M00373) Images

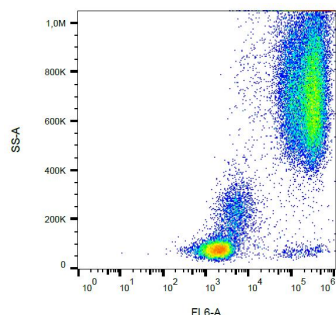


Figure 1. Flow Cytometry validation of CD24 using Anti-Hu CD24 Purified Monoclonal Antibody (M00373).

Flow cytometry analysis (surface staining) of human peripheral blood cells with anti-human CD24 (SN3) purified

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