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Monoclonal Antibody to CD24 - PE HSA, Signal transducer CD24, Small cell lung carcinoma cluster 4 antigen, X62 heat stable Alternate names: antigen **Catalog No.:** AM03032RP-N **Quantity:** 100 Tests **Background:** CD24, also known as heat-stable antigen (HSA) or nectadorin, is a small mucin-like GPIanchored 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. **Uniprot ID:** P25063 **NCBI:** 9606 Mouse / IgG1 Host / Isotype: **Clone:** SN3 Glycoproteins purified from Human NALM-1 cell line. Immunogen: State: Liquid purified Ig fraction Format: Purification: Size-Exclusion Chromatography Buffer System: PBS Preservatives: 15 mM Sodium Azide **Stabilizers:** 0.2% (w/v) high-grade BSA (protease free) Label: PE – R-Phycoerythrin Suitable for Flow Cytometry analysis of Human blood cells using 20 µl reagent / 100 µl of **Applications:** whole blood or 10^6 cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. **Specificity:** 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. Species: Human Other species not tested.

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.





AM03032RP-N: Monoclonal Antibody to CD24 - PE

Store the antibody in the dark at 2-8°C.
Do Not Freeze!. Avoid prolonged exposure to light. Shelf life: One year from despatch.
 cells via CD24, a new member of phosphoinositol-anchored membrane molecules. J Immunol. 1990 Jan 15;144(2):638-41. PubMed PMID: 2153173. 11. Solvason N, Kearney JF. The human fetal omentum: a site of B cell generation. J Exp Med. 1992 Feb 1;175(2):397-404. PubMed PMID: 1370683. 12. Leukocyte Typing V., Schlossman S. et al. (Eds.), Oxford University Press (1995).

