

Product datasheet for **AM03032RP-N**

CD24 Mouse Monoclonal Antibody [Clone ID: SN3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	SN3
Applications:	FC
Recommended Dilution:	Flow Cytometry analysis of Human blood cells using 20 μ l reagent / 100 μ l of whole blood or 10 ⁶ cells in a suspension. The content of a vial (2 ml) is sufficient for 100 tests.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Glycoproteins purified from Human NALM-1 cell line
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.
Formulation:	PBS Label: PE State: Liquid purified Ig fraction Preservative: 15 mM Sodium Azide Label: Conjugated with R-Phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography and adjusted for direct use.
Conjugation:	PE
Storage:	Store the antibody in the dark at 2-8°C. Do Not Freeze! Avoid prolonged exposure to light.
Stability:	Shelf life: One year from despatch.
Gene Name:	CD24 molecule
Database Link:	Entrez Gene 100133941 Human P25063



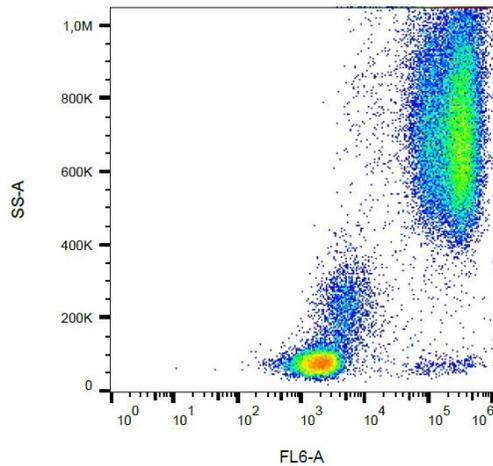
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Background:

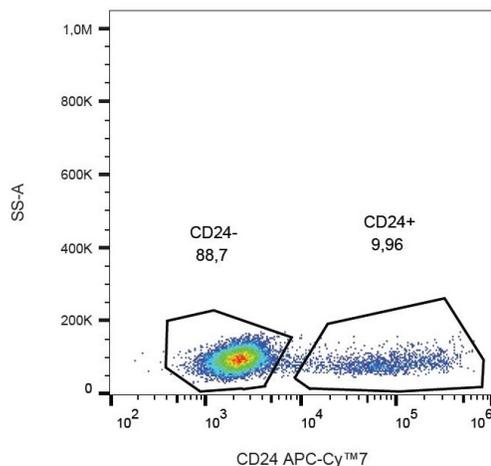
CD24, also known as heat-stable antigen (HSA) or nectadorin, is a small mucin-like GPI-anchored extracellular membrane glycoprotein expressed on several cell types, including B cells. When B cells are activated and induced to further maturation, however, CD24 begins to disappear. CD24 seems to act as 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.

Synonyms:

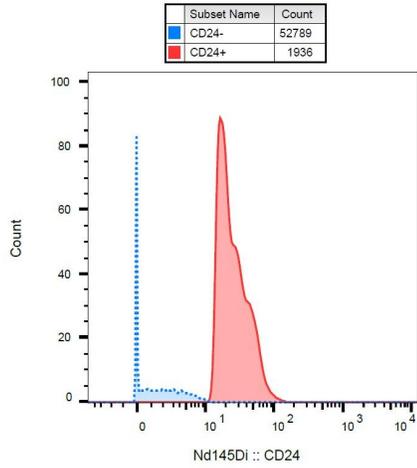
X62 heat stable antigen, HSA

Product images:


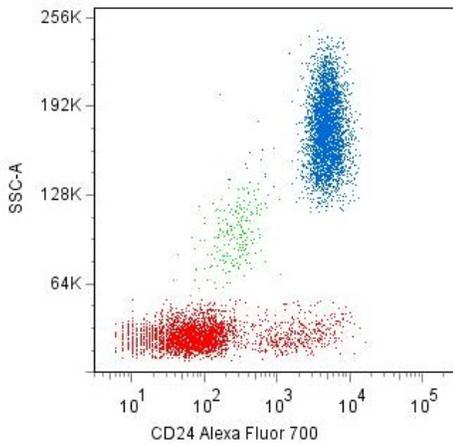
Surface staining of human peripheral blood cells with anti-human CD24 (SN3) purified, GAM-APC.



Surface staining of human peripheral blood cells with anti-human CD24 (SN3) APC-Cy7.



Surface staining (mass cytometry) of PBMC after Ficoll-Paque separation with anti-human CD24 (SN3) Nd145.



Surface staining of human peripheral blood cells with anti-CD24 (SN3) Alexa Fluor® 700.