

## Product datasheet for **AM03032PU-N**

### CD24 Mouse Monoclonal Antibody [Clone ID: SN3]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	SN3
Applications:	FC, IHC
Recommended Dilution:	<b>Flow Cytometry.</b> <b>Immunohistochemistry (frozen sections).</b> <i>Positive tissue:</i> tonsil.
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, pH 7.4 with 15 mM sodium azide as preservative State: Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE)
Concentration:	lot specific
Purification:	Protein A affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C. <b>DO NOT FREEZE!</b>
Stability:	Shelf life: one year from despatch.
Gene Name:	CD24 molecule
Database Link:	<a href="#">Entrez Gene 100133941 Human P25063</a>



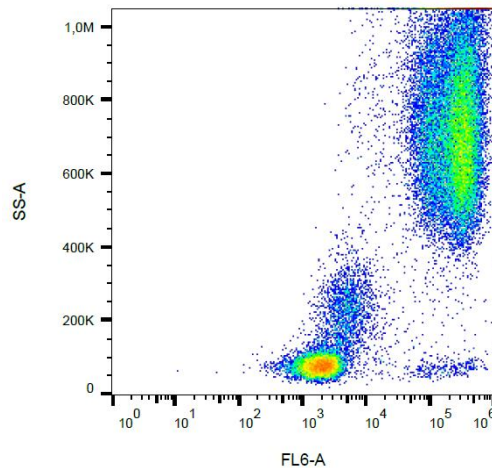
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**Background:**

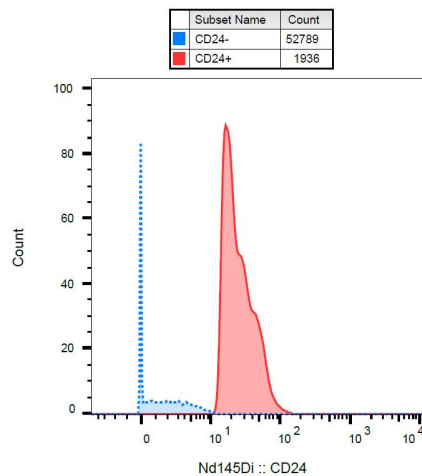
CD24, also known as heat-stable antigen (HSA) or nectadorin, is a small mucin-like GPI-anchored extracellular membrane glycoprotein expressed on several cell types, including B cells. When B cells are activated and induced to further maturation, however, CD24 begins to disappear. CD24 seems to act as 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 (mass cytometry) of PBMC after Ficoll-Paque separation with anti-human CD24 (SN3) Nd145.