

## ARG65540 anti-CD24 antibody [SN3]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [SN3] recognizes CD24
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, IHC-Fr
Specificity	The antibody SN3 reacts with CD24, a 3545 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. HLDA IV; WS Code B 136 HLDA V; WS Code B CD24.7
Host	Mouse
Clonality	Monoclonal
Clone	SN3
Isotype	IgG1
Target Name	CD24
Species	Human
Immunogen	Glycoproteins purified from human NALM-1 cell line.
Conjugation	Un-conjugated
Alternate Names	Signal transducer CD24; CD antigen CD24; CD24A; Small cell lung carcinoma cluster 4 antigen

### Application Instructions

Application table	Application	Dilution
	FACS	1 - 12 µg/ml
	ICC/IF	1 - 20 µg/ml
	IHC-Fr	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Immunohistochemistry (frozen sections): tonsil	

### Properties

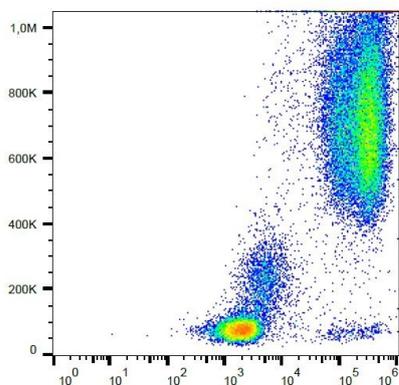
Form	Liquid
Purification	Purified by protein A
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide

Preservative	15 mM Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 100133941 Human</a> <a href="#">Swiss-port # P25063 Human</a>
Gene Symbol	CD24
Gene Full Name	CD24 molecule
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.
Function	Modulates B-cell activation responses. Signaling could be triggered by the binding of a lectin-like ligand to the CD24 carbohydrates, and transduced by the release of second messengers derived from the GPI-anchor. Promotes AG-dependent proliferation of B-cells, and prevents their terminal differentiation into antibody-forming cells. [UniProt]
Research Area	Cancer antibody; Developmental Biology antibody; Immune System antibody; Metabolism antibody; Neuroscience antibody
Calculated Mw	8 kDa
PTM	Extensively O-glycosylated.

## Images



ARG65540 anti-CD24 antibody [SN3] FACS image

Flow Cytometry: Human peripheral blood cells stained with ARG65540 anti-CD24 antibody [SN3], followed by incubation with APC labelled Goat anti-Mouse secondary antibody.