antibodies - online.com







anti-CD24 antibody (PE)

Images



Publications



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Quantity:	100 tests
Target:	CD24
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD24 antibody is conjugated to PE
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	Glycoproteins purified from human NALM-1 cell line.
Clone:	SN3
Isotype:	lgG1
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.
Cross-Reactivity (Details):	Human
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target: CD24

Target Details

Alternative Name:	ODQ4 (ODQ4 Producto)	
Alternative Name:	CD24 (CD24 Products)	
Background:	CD24 Molecule, 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.,HSA, nectadorin, SCLC4	
Gene ID:	100133941	
UniProt:	P25063	
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process,	
	Activated T Cell Proliferation	
Application Details		
Application Notes:	Flow cytometry: The reagent is designed for analysis of human blood cells using 20 µL reagent	
	/ 100 μL of whole blood or 10^6 cells in a suspension. The content of a vial (2 ml) is sufficient for	
	100 tests.	
Comment:	The purified antibody is conjugated with R-Phycoerythrin (PE) under optimum conditions. The	
	conjugate is purified by size-exclusion chromatography and adjusted for direct use. No	
	reconstitution is necessary.	
Restrictions:	For Research Use only	
Handling		
Reconstitution:	No reconstitution is necessary.	
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide	
Preservative:	Sodium azide	
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which	
	should be handled by trained staff only.	
Handling Advice:	Do not freeze.	

Handling

	Avoid prolonged exposure to light.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.
Publications	
Product cited in:	Všianská, Říhová, Varmužová, Suská, Kryukov, Mikulášová, Kupská, Penka, Pour, Adam, Hájek: "

Všianská, Ríhová, Varmužová, Suská, Kryukov, Mikulášová, Kupská, Penka, Pour, Adam, Hájek: "Analysis of B-cell subpopulations in monoclonal gammopathies." in: **Clinical lymphoma, myeloma & leukemia**, Vol. 15, Issue 4, pp. e61-71, (2015) (PubMed).

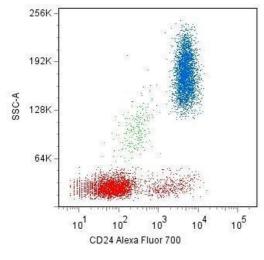
Maliar, Servais, Waks, Chmielewski, Lavy, Altevogt, Abken, Eshhar: "Redirected T cells that target pancreatic adenocarcinoma antigens eliminate tumors and metastases in mice." in: **Gastroenterology**, Vol. 143, Issue 5, pp. 1375-84.e1-5, (2012) (PubMed).

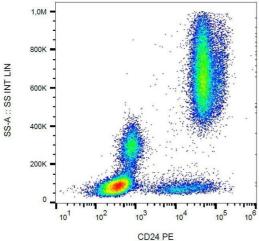
Solvason, Kearney: "The human fetal omentum: a site of B cell generation." in: **The Journal of experimental medicine**, Vol. 175, Issue 2, pp. 397-404, (1992) (PubMed).

Fischer, Majdic, Gadd, Knapp: "Signal transduction in lymphocytic and myeloid cells via CD24, a new member of phosphoinositol-anchored membrane molecules." in: **Journal of immunology** (**Baltimore, Md.: 1950)**, Vol. 144, Issue 2, pp. 638-41, (1990) (PubMed).

Barcos, Pollard, Fukukawa, Seon: "Follicular mantle zone cell subpopulations detected by monoclonal antibody SN3." in: **Hematological oncology**, Vol. 4, Issue 4, pp. 251-9, (1987) (PubMed).

There are more publications referencing this product on: Product page





Flow Cytometry

Image 1. Surface staining of human peripheral blood cells with anti-CD24 (SN3) Alexa Fluor® 700.

Flow Cytometry

Image 2. Surface staining of human peripheral blood cells with anti-human CD24 (SN3) PE.