

**MOUSE ANTI-HUMAN CD24
MONOCLONAL ANTIBODY**

CATALOG NUMBER:	CBL561	QUANTITY:	100 µg
LOT NUMBER:		CONCENTRATION:	1 mg/mL
CLONE NAME:	SN3	HOST/ISOTYPE:	Ms IgG ₁
ALTERNATE NAMES:	Heat Stable Antigen; HSA		
SPECIFICITY:	The antibody reacts with the CD24 antigen a heavily glycosylated molecule that migrates as a broad band of 35-45 kDa on both reducing and non-reducing SDS gel electrophoresis. CD24 is attached to the cell membrane via a glycosyl phosphatidylinositol (GPI) anchor and is expressed at multiple stages of B cell development, beginning with the bone marrow CD34 positive pro-B cell compartment and continuing through mature surface IgM positive/IgD positive B cells. CD24 is also expressed on the vast majority of B-lineage acute lymphoblastic leukemias, B cell chronic lymphocytic leukemias and B cell non-Hodgkin's lymphoma. In the normal spleen, mantle zone lymphocytes are CD24 strongly positive, but germinal center cells are CD24 negative or CD24 weakly positive.		
APPLICATIONS:	<u>Immunohistochemistry:</u> Frozen tissues <u>Flow Cytometry:</u> 1:50 – 1:100 per 10 ⁶ cells in 100 µL volume <i>Optimal working dilutions must be determined by the end user.</i>		
SPECIES REACTIVITY:	Human. Reactivity with other species has not been confirmed.		
IMMUNOGEN:	Glycoproteins purified from human NALM-1 cell line		
PRESENTATION:	Affinity purified immunoglobulin by Protein G chromatography. Liquid in 1 mL of PBS, pH 7.4 containing no preservatives.		
STORAGE/HANDLING:	Maintain at -20°C for up to 12 months from date of receipt in undiluted aliquots.		
REFERENCES:	Solvason, N. Kearney, J.F. (1992). <i>J. Exp. Med.</i> 17 : 397-404. Fischer, G.F. <i>et al.</i> (1990). <i>J. Immunol.</i> 144 : 638-41. Leucocyte Typing IV (1989). <i>Oxford University Press</i> Barcos, M. <i>et al.</i> (1986). <i>Hematological Oncol.</i> 4 : 251-9. Fukukawa, T. <i>et al.</i> (1986). <i>Exp. Hamatol.</i> 14 : 850-5. Pirruccello, S.J. LeBien, T.W. (1986). <i>J. Immunol.</i> 136 : 3779-84. Perri, R.T. <i>et al.</i> (1983). <i>Blood</i> 51 : 871-5. Kersey J, <i>et al.</i> (1982). <i>Lancet</i> 2 : 1419-23.		

For research use only; not for use as a diagnostic.

Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*