

Monoclonal Antibody to CD24 - PE

Alternate names:	HSA, Signal transducer CD24, Small cell lung carcinoma cluster 4 antigen, X62 heat stable antigen
Catalog No.:	AM03032RP-T
Quantity:	25 Tests
Background:	CD24 (also known as heat stable antigen) is a phosphatidylinositol linked cell surface glycoprotein with a polypeptide core of 30 amino acids and high carbohydrate content. The apparent molecular mass of the two forms of CD24 purified from a mouse lymphoma cell line appear to be in the range of 40-60 and 23-30 kDa. CD24 is expressed at all stages of B cell development and on most thymocytes. The absence of expression from mature T cells is closely associated with their maturation from CD4+ CD8+ CD24+ thymocytes to either CD4+ CD8- CD24- or CD4- CD8+ CD24- T cells. CD24 is also present on mouse granulocytes, monocytes, Langerhans cells and erythrocytes. Its ligand is P selectin (CD62P). CD24 may play a role in regulation of B cell proliferation and differentiation, and it has been proposed that heat stable antigen promotes homotypic adhesion between B lymphocytes. CD24 is also a positive marker of pancreatic cancer.
Uniprot ID:	P25063
NCBI:	9606
Host / Isotype:	Mouse / IgG1
Clone:	SN3
Immunogen:	Glycoproteins purified from human NALM-1 cell line
Format:	State: Lyophilised purified IgG Purification: Affinity chromatography on Protein G Buffer System: Phosphate buffered saline pH7.4 containing 0.09% Sodium Azide, 1% Bovine Serum Albumin Label: PE – R. Phycoerythrin (RPE) Reconstitution: Reconstitute in 0.25 ml distilled water
Applications:	Flow Cytometry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the CD24 cell surface antigen, a heavily glycosylated molecule of 35-45kD. CD24 is expressed by granulocytes and B lymphocytes, and by some activated T cells and T cell malignancies. Species: Human. Other species not tested.

For research and in vitro use only. Not for diagnostic or therapeutic work.
Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

- Storage:** Prior to and following reconstitution store the antibody at 2-8°C.
DO NOT FREEZE!
This product is photosensitive and should be protected from light.
Shelf life: one year from despatch.
- Caution:** (A full Health and Safety assessment is available upon request) This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
- General Readings:**
1. Barcos M, Pollard C, Fukukawa T, Seon BK. Follicular mantle zone cell subpopulations detected by monoclonal antibody SN3. *Hematol Oncol.* 1986 Oct-Dec;4(4):251-9. PubMed PMID: 3493967.
 2. Fukukawa T, Matsuzaki H, Haruta Y, Hara H, Seon BK. New monoclonal antibodies SN3, SN3a, and SN3b directed to sialic acid of glycoprotein on human non-T leukemia cells. *Exp Hematol.* 1986 Oct;14(9):850-5. PubMed PMID: 3489635.

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