

## Product datasheet for **BM2357**

### CD24 Mouse Monoclonal Antibody [Clone ID: ALB9]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	ALB9
Applications:	FC, IHC
Recommended Dilution:	Flow Cytometry: 2 µg/5x10 <sup>5</sup> cells/test. Immunohistochemistry on frozen sections or cell smears (1:25-1:50 dilution). Studies of peripheral blood B cells.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human bone marrow malignant cells from a non-B, non-T acute leukemia
Specificity:	This antibody recongnizes CD24. The molecular weight of the recognized antigen is 35-45 kDa. Recognizes B cells from pre-B to mature-B stage. The ALB9 monoclonal antibody has been assigned to the CD24 cluster of differentiation at the sixth International Workshop on Human Leucocyte Differentiation Antigens held in Kobe, Japan in 1996.
Formulation:	PBS containing 1 mg/ml BSA as stabilizer, containing no preservatives State: Azide Free State: Lyophilized purified Ig fraction
Reconstitution Method:	Restore with 1 ml of distilled water.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the reconstituted antibody at 2-8°C for one month (add 0.09% Sodium Azide) or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD24 molecule



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**Database Link:** [Entrez Gene 100133941 Human P25063](#)

**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.

**Synonyms:** X62 heat stable antigen, HSA