

## Product datasheet for **AM08069BT-N**

### **Cd24a Rat Monoclonal Antibody [Clone ID: 30-F1]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	30-F1
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry (&lt; / = 2 µg/10e6 cells) and Cell Sorting</b> .(Ref.3,4,7-10)
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2c
Clonality:	Monoclonal
Specificity:	This antibody recognises CD24/Heat Stable Antigen (HSA).
Formulation:	PBS containing 0.09% Sodium Azide as preservative. Label: Biotin State: Liquid purified Ig fraction.
Concentration:	lot specific
Conjugation:	Biotin
Storage:	Store the antibody undiluted at 2-8°C for one month or in (aliquots) at -20°C for longer. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD24a antigen
Database Link:	<a href="#">Entrez Gene 12484 Mouse P24807</a>



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**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