

## Product datasheet for **AM08034AC-N**

### **Cd24a Rat Monoclonal Antibody [Clone ID: 91]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	91
Applications:	FC
Recommended Dilution:	<b>Flow Cytometry:</b> < / = 0.3 µg/10e6 cells. (Ref.8)
Reactivity:	Mouse
Host:	Rat
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	This antibody is specific to Heat Stable Antigen HSA (Mr 35-45 kDa).
Formulation:	PBS containing 0.09% Sodium Azide as preservative and a stabilizing agent. Label: APC State: Liquid purified Ig fraction. Label: Allophycocyanin
Concentration:	lot specific
Conjugation:	APC
Storage:	Store the antibody undiluted at 2-8°C. <b>DO NOT FREEZE!</b> 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:	<u><a href="#">Entrez Gene 12484 Mouse P24807</a></u>



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**Background:**

CD24, also known as heat stable antigen, is a phosphatidylinositol-linked cell surface glycoprotein that is expressed at all stages of B cell development and on most thymocytes. (Ref.1-3) 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. (Ref.4-6) Its ligand is P-selectin (CD62P). (Ref.7) 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. (Ref.1-3). The monoclonal antibody 91 can be used to inhibit B-cell differentiation. (Ref.8)

**Synonyms:**

X62 heat stable antigen, HSA