

Product datasheet for **AM08034BT-N**

Cd24a Rat Monoclonal Antibody [Clone ID: 91]

Product data:

Product Type:	Primary Antibodies
Clone Name:	91
Applications:	FC, IHC, IP
Recommended Dilution:	Flow Cytometry: < / = 2 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. 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. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD24a antigen
Database Link:	Entrez Gene 12484 Mouse P24807



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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