

Product datasheet for **AM08069FC-S**

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

Product data:

Product Type:	Primary Antibodies
Clone Name:	30-F1
Applications:	FC
Recommended Dilution:	Flow Cytometry (< / = 2 µg/10e6 cells) and Cell Sorting (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: FITC State: Liquid purified Ig fraction. Label: Fluorescein Isothiocyanate Isomer 1
Concentration:	lot specific
Conjugation:	FITC
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:	Entrez Gene 12484 Mouse P24807



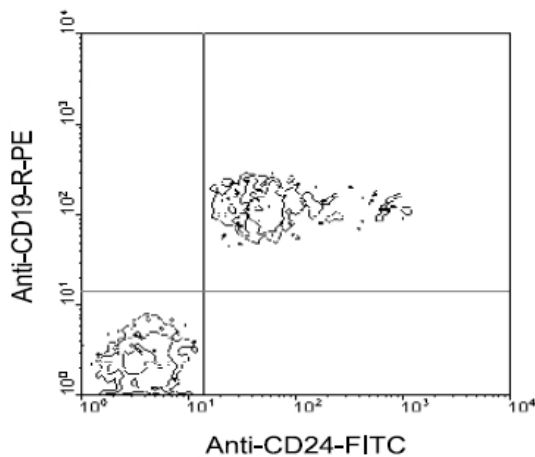
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Background:

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

Product images:


Immunofluorescent Staining: BALB/c spleen cells were double-stained with Rat anti-Mouse CD24-FITC and Rat anti-Mouse CD19-PE (clone 6D5), following which small lymphocytes were gated and analyzed on a FACScan (TM) flow cytometer (BDIS, San Jose, CA). Amount Used: < / = 3 ug/10e6 cells.