

Product datasheet for **AM08051FC-N**

Cd72 (CD72.1 alloantigen) Mouse Monoclonal Antibody [Clone ID: 10-1.D.2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	10-1.D.2
Applications:	FC
Recommended Dilution:	Flow Cytometry: < / = 1 µg/10e6 cells. (Ref.1,2)
Reactivity:	Mouse
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	DBA/2 mouse spleen cells. (Ref.1)
Specificity:	This antibody recognises CD72.1/Lyb-2.1 (Mr. 45 kDa).
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:	CD72 antigen
Database Link:	Entrez Gene 12517 Mouse P21855



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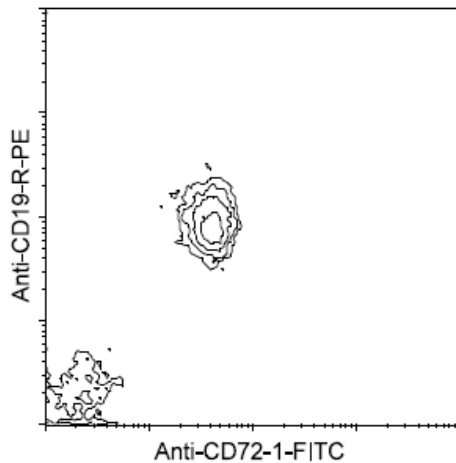
Background:

Murine CD72.1/Lyb-2.1, a type II integral membrane glycoprotein and a member of the C-lectin family of cell surface receptors, is a differentiation antigen of B cells, and is found in mouse strains expressing the Lyb-2.1 allotype. CD72.1 is the ligand of CD5 (Ly-1) which is distributed on all T cells and a small number of B cells. (Ref.1,2)

This clone blocks binding of CD5 to CD72 on the B cell surface, which leads to inhibition of the positive signal resulting from CD5/CD72 pairing. (Ref.1) However, 10-1.D.2 can itself trigger a positive signal by binding CD72. (Ref.1-5)

Synonyms:

Lyb-2, Ly-32, Ly32, B-Cell marker

Product images:

Immunofluorescent Staining: BALB/c spleen cells were double-stained with Mouse anti-Mouse CD72.1-FITC and rat anti-mouse CD19-RPE. Lymphocytes were then gated and analyzed by flow cytometry. Amount Used: $< / = 1$ g/10e6 cells.