

Datasheet for ABIN94227

anti-CD72 antibody**3** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	CD72
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD72 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP)

Product Details

Immunogen:	Normal human lymphocytes from a lymph node.
Clone:	3F3
Isotype:	IgG2b
Specificity:	The mouse monoclonal antibody 3F3 recognizes an extracellular epitope of CD72, a 39-43 kDa type II membrane glycoprotein (C-type lectin family). CD72 is a pan-B cell marker expressed throughout the B lymphocytes differentiation with the exception of plasma cells, it is also present on follicular dendritic cells.
Cross-Reactivity (Details):	Human
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

Target:	CD72
Alternative Name:	CD72 (CD72 Products)
Background:	CD72 Molecule,CD72 is a transmembrane glycoprotein expressed as a homodimer especially in B cells, but also in other antigen presenting cells such as dendritic cells and macrophages. Through one of its immunoreceptor tyrosine-based inhibitory motives (ITIMs), CD72 interacts with tyrosine phosphatase SHP-1, thereby suppressing B cell responsiveness. Binding of CD72 with its ligand CD100 (Sema4D) prevents BCR association and phosphorylation of CD72 and results in dissociation of SHP-1 from CD72, thus enables B cell activation.,LYB2
Gene ID:	971
UniProt:	P21854
Pathways:	BCR Signaling

Application Details

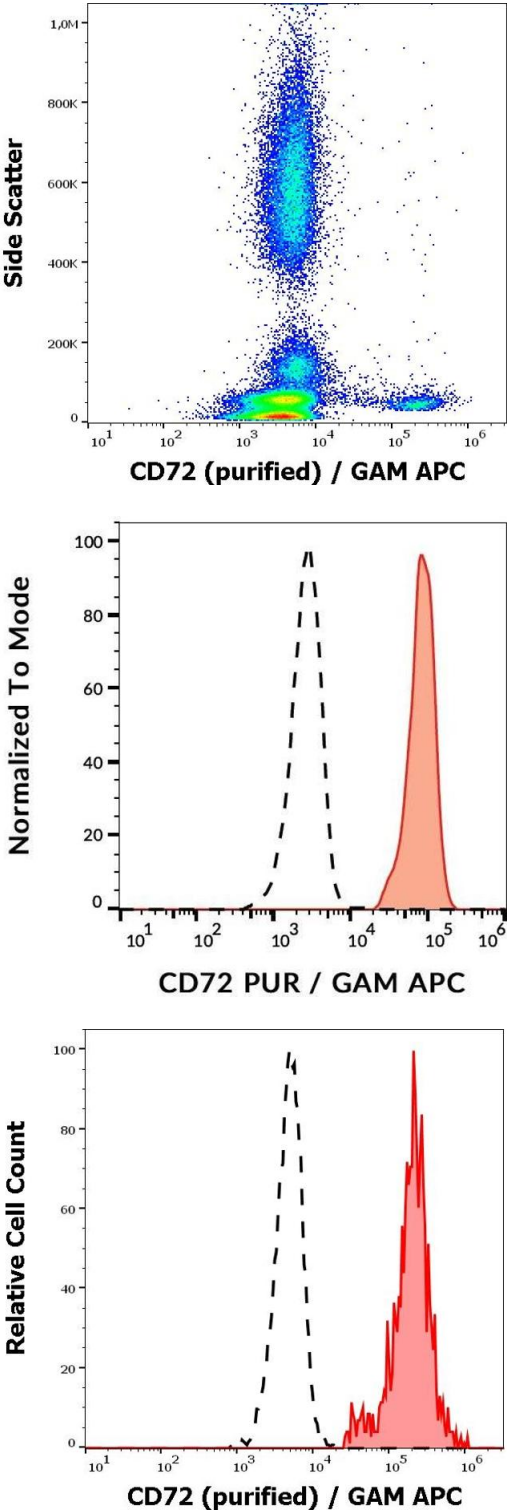
Application Notes:	Flow cytometry: Recommended dilution: 1 µg/mL.
Restrictions:	For Research Use only

Handling

Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Publications

Product cited in:	Mizrahi, Markel, Porgador, Bushkin, Mandelboim: "CD100 on NK cells enhance IFNgamma secretion and killing of target cells expressing CD72." in: PLoS ONE , Vol. 2, Issue 9, pp. e818, (2007) (PubMed).
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Flow Cytometry

Image 1. Flow cytometry surface staining pattern of human peripheral whole blood stained using anti-human CD72 (3F3) purified antibody (concentration in sample 3 µg/mL, GAM APC).

Flow Cytometry

Image 2. Surface staining of CD72 on human peripheral blood cells with anti-CD72 (3F3) purified / GAM-APC.

Flow Cytometry

Image 3. Separation of human CD72 positive lymphocytes (red-filled) from neutrophil granulocytes (black-dashed) in flow cytometry analysis (surface staining) of peripheral whole blood stained using anti-human CD72 (3F3) purified antibody (concentration in sample 3 µg/mL, GAM APC).