

## ARG20949 anti-CD72 antibody [10.1.D2] (Biotin)

Package: 100 µg  
Store at: 4°C

### Summary

Product Description	Biotin-conjugated Mouse Monoclonal antibody [10.1.D2] recognizes CD72
Tested Reactivity	Ms
Tested Application	BL, Cell-Act , FACS
Specificity	Mouse CD72.1. The clone 10.1.D2 blocks binding of CD5 to CD72 on the B cell surface which leads to inhibition of the positive signal resulting from CD5/CD72 pairing. However, 10.1.D2 can itself trigger a positive signal by binding CD72.
Host	Mouse
Clonality	Monoclonal
Clone	10.1.D2
Isotype	IgG2b, kappa
Target Name	CD72
Species	Mouse
Immunogen	DBA/2 mouse spleen cells
Conjugation	Biotin
Alternate Names	CD antigen CD72; LYB2; B-cell differentiation antigen CD72; Lyb-2; CD72b

### Application Instructions

Application table	Application	Dilution
	BL	Assay-dependent
	Cell-Act	Assay-dependent
	FACS	< 1 µg/10 <sup>6</sup> cells
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Buffer	PBS and 0.1% Sodium azide.
Preservative	0.1% Sodium azide
Concentration	0.5 mg/ml
Storage instruction	Aliquot and store in the dark at 2-8°C. Keep protected from prolonged exposure to light. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

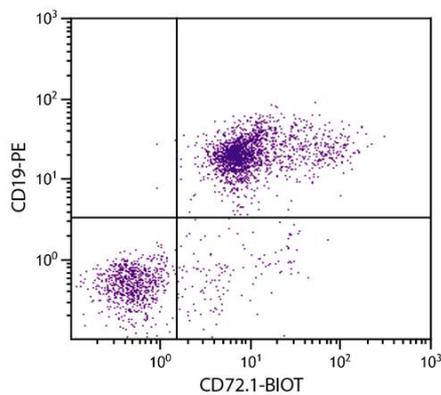
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## Bioinformation

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Database links	<a href="#">GeneID: 12517 Mouse</a> <a href="#">Swiss-port # P21855 Mouse</a>
Gene Symbol	CD72
Gene Full Name	CD72 antigen
Function	Plays a role in B-cell proliferation and differentiation. [UniProt]
Calculated Mw	40 kDa
PTM	Phosphorylated upon engagement of the B-cell receptor, probably by LYN or SYK. Phosphorylation at Tyr-7 is important for interaction with PTPN6/SHP-1 (By similarity).

## Images



ARG20949 anti-CD72 antibody [10.1.D2] (Biotin) FACS image

Flow Cytometry: DBA/2 Mouse splenocytes stained with ARG20949 anti-CD72 antibody [10.1.D2] (Biotin) and [ARG20852](#) anti-CD19 antibody [6D5] (PE) followed by Streptavidin (FITC).