

## ARG62925 anti-CD72 antibody [3F3]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [3F3] recognizes CD72
Tested Reactivity	Hu
Tested Application	FACS, IP
Specificity	The clone 3F3 reacts with 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. HLDA V; WS Code B CD72.5 HLDA VI; WS Code B CD72.1 HLDA VI; WS Code 6 BP 84
Host	Mouse
Clonality	Monoclonal
Clone	3F3
Isotype	IgG2b
Target Name	CD72
Species	Human
Immunogen	Normal human lymphocytes from a lymph node.
Conjugation	Un-conjugated
Alternate Names	CD antigen CD72; LYB2; B-cell differentiation antigen CD72; Lyb-2; CD72b

### Application Instructions

Application table	Application	Dilution
	FACS	1 µg/ml
	IP	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from ascites by precipitation methods and ion exchange chromatography.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml

<b>Storage instruction</b>	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
<b>Note</b>	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

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<b>Database links</b>	<a href="#">GeneID: 971 Human</a> <a href="#">Swiss-port # P21854 Human</a>
<b>Gene Symbol</b>	CD72
<b>Gene Full Name</b>	CD72 molecule
<b>Background</b>	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.
<b>Function</b>	Plays a role in B-cell proliferation and differentiation. [UniProt]
<b>Research Area</b>	Developmental Biology antibody; Immune System antibody
<b>Calculated Mw</b>	40 kDa
<b>PTM</b>	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).