

For Research Use Only

# CoraLite®594-conjugated CD72 Monoclonal antibody



Catalog Number:CL594-67424

## Basic Information

<b>Catalog Number:</b> CL594-67424	<b>GenBank Accession Number:</b> BC030227	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 971	<b>CloneNo.:</b> 2C1C6
<b>Source:</b> Mouse	<b>Full Name:</b> CD72 molecule	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Isotype:</b> IgG2b	<b>Calculated MW:</b> 359 aa, 40 kDa	<b>Excitation/Emission maxima wavelengths:</b> 593 nm / 614 nm
<b>Immunogen Catalog Number:</b> AG14405		

## Applications

<b>Tested Applications:</b> IF	<b>Positive Controls:</b> IF : human tonsillitis tissue,
<b>Species Specificity:</b> Human	

## Background Information

CD72 is a type II transmembrane glycoprotein of 39-45 kDa and is expressed as a disulphide-linked homodimer (PMID: 1711157). CD72 is a pan B-cell marker covering the full range of differentiation from the very early stages of B cells to mature surface Ig+ B cells (PMID: 1384316). It is expressed in all stages of B cell development except plasma cells. CD72 is also expressed by dendritic cells, tissue macrophages in the red pulp of the spleen and von Kupffer cells in the liver (PMID: 8561576; 1384316). CD72 is the ligand for CD5 (PMID: 1711157). CD72 is a negative regulator of BCR signaling (PMID: 9590210). Interaction of CD100 with CD72 strictly tunes the strength of BCR signals and is essential for maintaining immunological homeostasis as well as generating a proper immune response (PMID: 16113236).

## Storage

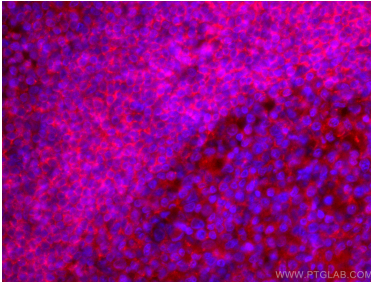
**Storage:**  
Store at -20°C. Avoid exposure to light.  
**Storage Buffer:**  
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

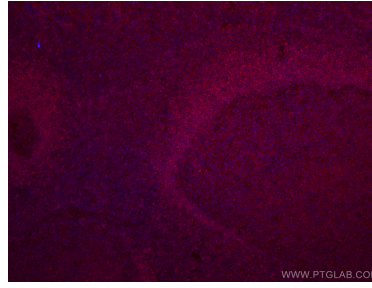
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human tonsillitis tissue using CoraLite®594-conjugated CD72 antibody (CL594-67424, Clone: 2C1C6 ) at dilution of 1:100.



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