

For Research Use Only

PE Anti-Human CD72 (3F3)

Catalog Number: PE-65157



Basic Information

Catalog Number:

PE-65157

Size:

100 tests, 20 µl/test

Source:

Mouse

Isotype:

IgG2b, kappa

GenBank Accession Number:

BC011734

GeneID (NCBI):

971

UNIPROT ID:

P21854

Full Name:

CD72 molecule

Purification Method:

The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.

CloneNo.:

3F3

Recommended Dilutions:

FC: 20 µl per 10⁶ cells in 100 µl suspension

Excitation/Emission maxima wavelengths:

496 nm, 565 nm / 578 nm

Applications

Tested Applications:

FC

Species Specificity:

Human

Positive Controls:

FC : Human peripheral blood lymphocytes,

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 2-8°C. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

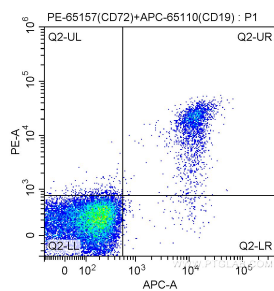
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

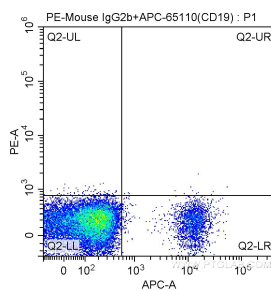
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1X10⁶ human peripheral blood lymphocytes were surface stained with APC Anti-Human CD19 (APC-65110, Clone:H1B19) and 20.00 ul/test PE Anti-Human CD72 (PE-65157, Clone:3F3). Cells were not fixed.



1X10⁶ human peripheral blood lymphocytes were surface stained with APC Anti-Human CD19 (APC-65110, Clone:H1B19) and PE mouse IgG2b isotype control antibody. Cells were not fixed.