PE Anti-Human CD72 (3F3)

Catalog Number:PE-65157

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Antibodies | ELISA kits | Proteins
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Basic Information

Catalog Number:
PE-65157

Size:
100tests , 20 μl/test

Source:
Mouse

Isotype:
IgG2b, kappa

GenBank Accession Number:
BC011734

GeneID (NCBI):
971

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

Excitation/Emission maxima wavelengths:
496 nm, 565 nm / 578 nm

Applications

Tested Applications:
FC

Species Specificity:
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 2-8°C. Avoid exposure to light. Stable for one year after shipment.
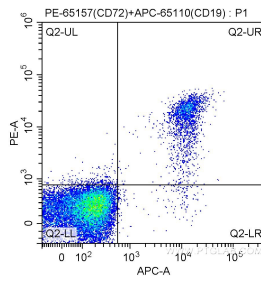**Storage Buffer:**
PBS with 0.1% sodium azide.

Selected Validation Data

PE-65157(CD72)+APC-65110(CD19) : P1

1X10^6 human peripheral blood lymphocytes were surface stained with APC Anti-Human CD19 (APC-65110, Clone:HIB19) and 20.00 ul/test PE Anti-Human CD72 (PE-65157, Clone:3F3). Cells were not fixed.
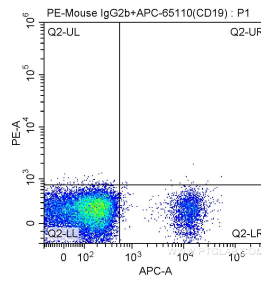
PE-Mouse IgG2b+APC-65110(CD19) : P1

1X10^6 human peripheral blood lymphocytes were surface stained with APC Anti-Human CD19 (APC-65110, Clone:HIB19) and PE mouse IgG2b isotype control antibody. Cells were not fixed.